



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 4, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the Gazette may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### LOANS FROM PUBLIC FUNDS.

No. 1170.

### GOVERNMENT OF INDIA. FINANCIAL DEPARTMENT. ACCOUNTS.

*Simla, the 18th June 1877.*

READ again—

The orders in this department, No. 2087, dated 30th September 1875, directing the several Account Officers to report immediately to the Government of India, as well as to the Local Government concerned, the occurrence of any default in the payment of interest upon any loan made from public funds in accordance with the provisions of any law or otherwise, and also any failure in the stipulated repayment of the capital of the loan.

**RESOLUTION.**—The Governor-General in Council requests that, upon receipt from the Accountant-General of a report of a default at the due date in the payment of interest or the repayment of any principal sum to the Government, the Local Government will address to the Home or Revenue Department of the Government of India, as the case may be, a despatch explaining so far as it knows them, the reasons for the default, and the steps which have been taken to remedy it.

2. His Excellency in Council at the same time directs that interest at six per cent. be charged upon such overdue instalments, except in cases in which this rate of interest is barred by the terms of any now existing Agreement applicable to the case. Such special cases should, however, be separately reported for the orders of the Government of India.

ORDERED, that this Resolution be communicated to the Home Department for information.

ORDERED also, that this Resolution be communicated for information and guidance as follows:—

To the several Local Governments and Administrations;

To the Comptroller-General;

To the several Accountants-General and Deputy Accountants-General in independent charge.

R. H. HOLLINGSWORTH,  
Asst. Secy. to the Govt. of India.

## PRICES-CURRENT of Food-grains and Salt in the undermentioned

QUANTITIES PER RU

Sl. No.	DISTRICTS.	WHEAT.		BARLEY.		RICE, BEST SORT.		RICE, COMMON.		BROWN MILL— CURBOO, BAKRA.		GRANAT MILL— CHOLU, JOWAR.		BROWN MILL— LOOCH AND CH.	
		Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.
1	Burdwan	16 8	16 8	18 0	20 0	37 0	38 0	15 8	16 13	31 8	16 4	18 0	22 8	...	...
2	Bankura	18 12	18 0	30 0	38 0	38 0	38 0	30 0	30 0	16 4	23 0	34 0	31 8	...	...
3	Berhampur	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4	Midnapore	14 0	14 0	30 0	...	...	...	30 0	17 0	32 0	31 0	19 0	23 0	...	...
5	Hoojaly	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6	Huraish	13 4	13 4	10 0	...	...	...	13 0	13 8	16 0	13 0	14 0	30 2	...	...
Central Districts.															
7	Calcutta	12 0	12 0	18 0	20 0	32 0	30 0	9 0	9 0	8 13	14 0	16 0	...	...	...
8	94-Pergannah	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9	Noida	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10	Jaore	13 4	13 0	31 4	...	...	...	13 13	13 0	16 0	17 8	18 0	21 4	...	...
11	Moorthabadi	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12	Dinapore	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13	Rajshahi	15 0	16 0	31 0	27 0	37 8	40 0	16 0	16 0	18 13	17 4	17 4	21 0	...	...
14	Rangpur	16 0	18 0	24 0	...	...	...	16 8	16 0	30 0	18 13	18 13	24 0	...	...
15	Bogra	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16	Phibs	19 0	18 0	30 0	...	...	...	12 0	12 0	19 0	18 13	20 0	22 8	...	...
17	Darjeling	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18	Jalpigore	8 8	11 0	11 0	...	...	...	13 8	13 8	14 0	17 2	17 8	18 0	...	...
Eastern Districts.															
19	Dacca	13 4	13 8	18 8	40 0	40 0	40 0	16 0	16 0	16 8	20 0	18 0	20 0	...	...
20	Faridpur	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21	Barisal	...	...	...	...	...	...	12 0	12 0	18 0	14 0	16 0	22 0	...	...
22	Mymensingh	11 8	11 8	16 0	...	...	...	18 0	18 0	19 0	31 0	31 0	30 0	...	...

• Returns not received.

† Pay of sub-bodied labourer who carries loads in the bazar is Rs. 3-3.

A In the interior the prices are as follow:—Wheat 15 to 18 seers, barley 3½ to 38 seers, best rice 12-8 to 18 seers, common rice 15 to 30 seers, and grain 15 to 18 seers.

B In the interior the prices range as follow:—Wheat 15 to 18 seers, barley 30 to 45 seers, best rice 17-8 to 24 seers, common rice 23 to 36 seers, maize 24 to 35 and grain 15 to 18 seers.

of Bengal for the Fortnight ending 30th June 1877.

OF 50 TOLAHS.										AVERAGE WAGES PER MONTH.										DISTRICTS.	
INDIAN- R.		GRAN.		PINEWOOD.		SALT.		ABLE-BODIED AGRICULTURAL LABOURER.		HORSE-BOY KURPE.		COMMON WAGON, CARTER, OR BLACKSMITH.									
Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.		Next preceding return.
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.		Ch. S.
...	10 0	12 0	35 8	130 0	130 0	180 0	8 0	9 0	9 0	8 0	8 0	0 0	8 0	5 5	0 0	5 0	11 4	7 8	9 6	Burdwan.	
0 35	0 17	0 30	0 31	0 400	0 400	0 450	8 8	8 8	8 12	...	...	...	...	...	...	...	...	...	...	Banskhora.	
...	16 0	14 0	16 0	300 0	300 0	180 0	9 0	8 18	8 8	4 0	5 0	4 34	5 0	5 0	5 0	7 8	6 0	4 0	...	Berhampur.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10 0	7 0	6 0	...	Meinapore.	
...	16 0	16 0	22 8	180 0	150 0	120 0	10 0	10 0	9 0	7 0	8 0	7 0	7 0	7 0	7 0	18 0	13 0	12 0	...	Hooahly.	
Central Districts.																					
...	16 0	18 0	18 0	100 0	100 0	130 0	8 0	8 0	8 0	11 8	11 8	9 8	6 0	8 0	8 0	15 0	16 0	15 8	...	Calcutta.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	21-Pargannas.	
...	20 0	30 0	35 0	130 0	130 0	130 0	8 0	8 0	8 0	7 8	7 8	7 8	6 0	6 0	6 0	10 0	8 0	10 0	...	Nadua.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16 0	16 0	16 0	...	Jessore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Moorebabad.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dinapore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Rajshahya.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Ranipore.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Bogra.	
...	32 6	23 8	30 0	200 0	200 0	200 0	8 0	8 0	8 8	5 0	6 0	5 0	5 0	5 0	5 0	10 0	10 0	10 0	...	Pabna.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.	
...	12 5	10 6	17 7	106 8	116 6	160 0	7 8	7 8	8 6	6 8	5 0	6 0	6 0	6 0	6 0	7 8	10 0	7 8	...	Julpigra.	
Eastern Districts.																					
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dacca.	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Faridpur.	
...	16 0	16 0	31 8	100 0	100 0	100 0	8 8	8 8	8 8	7 8	7 8	7 8	8 0	6 0	6 0	...	...	...	...	Backergunge.	
...	14 0	14 0	18 8	...	...	...	6 18	8 18	8 8	...	...	...	...	...	...	...	...	...	...	Mymensingh.	

In the interior the prices are as follow:—Wheat 6 to 14 seers, best rice 15 to 16 seers, common rice 18 to 20 seers, and gram 14-16 to 20 seers.  
 The interior the prices range as follow:—Wheat 10 seers, best rice 13 seers, common rice 15 seers, and gram 10 seers.  
 The interior the prices range as follow:—Wheat 9 to 12 seers, best rice 10 to 13-5 seers, common rice 12 to 15 seers, and gram 8 to 10 seers.  
 The interior the prices range as follow:—Best rice 16 to 18 seers, and common rice 19 to 20 seers.  
 The interior the prices range as follow:—Best rice 13-5 to 14 seers, common rice 15-5 to 16 seers, paddy 25 to 30 seers, and gram 13 seers.  
 The interior the prices range as follow:—Wheat 12 to 15 seers, best rice 10-5 to 11-5 seers, common rice 10 to 14 seers, and gram 12 to 17 seers.

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## PRICES-CURRENT of Food-grains and Salt in the undermentio

QUANTITIES PER RUPEE

		QUANTITIES PER RUPEE																							
		WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULGUR MILLET— GUMBOO, RAJRA.			GRASS MILLET— CROLOM, JOWAR.			LOWER MILLET— RASI OR MOS AND CHHAI.					
Number.	DISTRICTS.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Eastern Districts—(Contd.)																									
21	Chittagong.*																								
22	Noakhelly.*																								
23	Tipperah.*																								
24	Chittagong Hill Tracts.*																								
	Hill Tipperah.*																								
BEHAR.																									
25	Patna	30 0	26 0	34 0	35 0	33 0	36 0	14 0	14 0	13 0	18 0	19 0	20 0							27 0	26 0	21 0			
26	Gya.*																								
27	Shahabad	21 0	23 0	20 0	30 0	32 0		16 0	16 0		17 8	18 0										20 0	23 0		
28	Darbhanga.*																								
29	Muzaffarpore	19 0	20 0	20 0	25 0	26 0	26 0	10 0	11 0	10 0	14 0	15 0	15 0												
30	Saran	17 0	17 0	22 0	29 0	32 0	33 0	10 0	10 12	9 18	18 0	18 8	19 0							31 0	30 0		30 0	30 0	
31	Champarn.*																								
32	Monghyr.*																								
33	Bhagalpore.*																								
34	Parasnab	30 0 to 35 0	25 0	24 0				30 0	28 0	18 0	24 0	26 0	19 0												
35	Maldah	18 0	19 0	22 8	40 0	45 0	48 0	20 0	20 0	20 0	21 0	21 0	22 0	30 0	28 0	32 0									
36	Southal Pargan.*																								
ORISSA.																									
37	Cuttack	18 2	18 2	23 0				14 7	14 7	17 1	17 1	17 1	24 15										31 0	31 0	
38	Poorna.*																								
39	Bahara	18 0	16 0	19 0				18 0	18 0	22 0	26 0	26 0	29 0												
CHOTA NAGPORE.																									
South-Western Frontier Agency.																									
40	Razarsah.*	30 0	19 8	17 8				13 0	12 0	13 0	23 8	22 0	31 0										33 0	33 0	
41	Lohardugga.*																								
42	Singhbhoom	34 0	30 0	36 0	40 0	40 0	40 0	30 0	30 0	16 0	40 0	40 0	36 0												
43	Manbhoom	18 0	18 0	17 0	28 0	28 0		30 0	30 0	16 0	30 0	30 0	28 0										34 0	34 0	

\* Returns not received.

I In the above the prices range as follow:—Wheat 10 to 23 seers, barley 22 to 40 seers, best rice 11 to 13 seers, common rice 13 to 19 seers, and gram 30 to 37 1/2 seers.

J In the interior the prices range as follow:—Wheat 30 to 33-3 seers, barley 30 to 37 seers, best rice 14 to 23-13 seers, common rice 10 to 23-5 seers, lesser millets 20 to 25 seers, and gram 27 to 30 seers.

X In the interior the prices range as follow:—Wheat 10 to 25 seers, best rice 30 to 33 seers, common rice 24 to 26 seers, and gram 26 to 30 seers.

CALCUTTA,

The Brd. July 1877.

Districts of Bengal for the Fortnight ending 30th June 1877.—(Continued.)

MARKS OF 50 TOLAHS.												AVERAGE WAGES PER MONTH.												DISTRICTS.
RAPE OR INDIAN-CORN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STONE OR HOUSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.				
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.				
Eastern Districts.—(Contd.)																					Chittagong.*			
																					Noakhally.*			
																					Tipperah.*			
																					Chittagong Hill Tracts.*			
																					Hill Tipperah.*			
BENGAL																								
0 37 0	38 0	30 0	31 0	32 0	140 0	140 0	123 0	8 0	8 0	8 0	3 0 to 4 0	3 0 to 4 0	3 0 to 4 0	4 0 to 5 0	4 0 to 5 0	4 0 to 5 0	5 10 to 7 8	5 10 to 7 8	5 10 to 7 8	Patna.				
0 29 0	...	...	31 0	31 0	...	180 0	160 0	...	8 12	8 12	...	...	...	...	...	...	...	...	...	Gya.*				
																					Shahabad.			
																					Durkhanga.*			
0 25 0	23 8	24 0	24 0	27 0	140 0	140 0	140 0	7 8	7 8	8 0	3 8 to 4 12	3 8 to 5 12	2 8 to 3 12	4 0 to 4 8	4 0 to 4 8	4 0 to 4 8	6 0 to 10 0	8 0 to 10 0	0 0 to 10 0	Masulipatnam.				
0 31 8	33 0	27 8	27 8	31 0	160 0	160 0	160 0	8 0	8 0	8 0	3 8 to 4 12	3 8 to 5 12	2 8 to 3 12	4 0 to 4 8	4 0 to 4 8	4 0 to 4 8	6 0 to 10 0	8 0 to 10 0	0 0 to 10 0	Seru.				
																					Chumbaroo.*			
																					Monghyr.*			
																					Udagulpore.*			
...	...	...	36 0 to 39 0	28 0	28 0	180 0	180 0	160 0	7 8	8 0	7 8	...	...	...	...	...	...	...	...	Purneah.				
0 45 0	40 0	36 0	39 0	35 0	180 0	180 0	160 0	8 4	8 4	8 0	...	...	...	...	...	...	...	...	...	Maldah.				
																					South Pargah.			
ORISSA																								
...	...	...	17 1	17 1	26 4	200 0	200 0	200 0	13 0	11 0	13 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8 to 10 0	7 8 to 10 0	7 8 to 10 0	Cuttack.			
...	...	...	11 0	11 0	10 0	180 0	180 0	160 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	Pooree.*				
																					Baharee.			
CHOTA NAAGPORE.																								
South-Western Frontier Agency.																								
...	...	...	28 0	24 0	10 0	260 0	260 0	260 0	7 0	8 0	7 4	4 0	4 0	4 0	4 0	4 0	4 0	8 0	8 0	8 0	Hazaribagh.			
...	...	...	24 0	24 0	20 0	320 0	320 0	320 0	6 0	6 0	6 0	...	...	...	...	...	...	...	...	...	Lohardugga.*			
...	...	...	34 0	30 0	10 0	180 0	200 0	240 0	8 0	8 0	7 8	3 8	3 8	3 8	4 0	4 0	4 0	7 8	7 8	7 8	Singbhoon.			
0 40 0	...	...	30 0	30 0	10 0	180 0	200 0	240 0	8 0	8 0	7 8	3 8	3 8	3 8	4 0	4 0	4 0	7 8	7 8	7 8	Manbhoon.			

L In the interior the prices range as follow:—Wheat 10 to 25 seers, barley 20 to 40 seers, best rice 15 seers, common rice 15-3 to 25 seers, lower millets 35 to 40 seers or Indian-corn 25 to 35-0 seers, and gram 21 to 35 seers.  
M In the interior the prices range as follow:—Wheat 10 to 21 seers, best rice 20 to 30 seers, common rice 20 to 31 seers, maize or Indian-corn 40 seers, and gram 25 to 35 seers.

Published for general information.

H. J. S. Cotton,  
Jr. Secy. to the Govt. of Bengal.

## Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 30th June 1877.

No.	District, and date of return.	Rainfall at Sadar Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>SEVEN DAYS.</b>	1 Burdwan, July 2 <sup>nd</sup> 77	1.2	The rainfall at Culna has been 4.00 inches, at Cutwa 3.23 inches, at Jehanabad 5.43 inches, at Raneebunge 4.06 inches, and at Hood-Hood 2.62 inches. <i>Asar</i> paddy, sugarcane, and jute are doing well. Transplantation of the seedlings of <i>asas</i> paddy has begun. Fever is prevalent.
	2 Bankura, June 30 "	2.73	Weather—Rainy during the early part of the week; now clear. Indigo is doing well, and the state and prospects of other crops are very favourable.
	3 Boorboom, " 30 "	2.06	Weather—Rainy up to 27th June; since set fair. There has been sufficient rain to forward the young rice now above ground, and to prevent it from being withered; but more is wanted soon.
	4 Midnapore, " 30 "	6.63	The rainfall in the west and north of the district has been heavier than in the east and south. From Tumlok insufficient rain is reported. Generally the rain has been sufficient for the crops, and the prospects are good. The Comya river has been in three-fourth flood, and has made a breach at precisely the same spot as in the last year, i.e. south of Panchkora.
	5 Hooghly, " 30 "	1.73	Weather—Hot, with rain and sunshine. <i>Asar</i> seedlings are being transplanted in places. Sowing and transplantation of <i>asas</i> are still going on. All other crops on the ground are doing well. Public health is good. Cattle disease still prevails in one village in thana Ballagar.
	6 Howrah, " 30 "	.73	Weather—Very hot; damp, with very little rain. State and prospects of the crops continue to be very good.
<i>Central Districts.</i>			
<b>SEVEN DAYS.</b>	6 24-Pergunnah, July 2 <sup>nd</sup> 77	1.51	Weather—Warm and cloudy with occasional showers. The prospects of the jute and early rice crops seem to be good. Public health is generally good.
	7 Medinipur, June 30 "	2.54	Weather—Generally cool with frequent showers. No rain on Friday and Saturday. The rice crops are most promising. Indigo and jute also have derived much benefit from the seasonable weather.
	8 Jessore, " 30 "	1.38	Weather—Rainy. The rain has done good to the rice crops, but has not been quite heavy enough for indigo. The prospects, however, are good.
	9 Moorshedabad, " 30 "	1.56	Weather—Seasonable. The crops have derived great benefit from the rains, but more is wanted, particularly in the Jungypore sub-division. The prospects are so far good.
	10 Dinagepore, " 29 "	2.11	Weather—Cool and cloudy with intervals of great heat. Wind generally from the east. 25 of an inch of rain registered at Hooghly. <i>Shadai</i> rice, jute, and sugarcane are all doing particularly well. There are still some cases of cholera in the district.
	11 Bajshahy, " 30 "	1.04	There has been more or less rain daily throughout the district. The prospects of the rice and jute crops are good. Lands are being prepared for transplanting the rice seedlings.
<b>RAJSHAHY AND COCHIN BAHAR DIV.</b>	12 Rangpore, " 29 "	1.71	Weather—Hot and close, sometimes relieved by a strong easterly wind. 2.50 inches of rain registered at Kurigram and 1.73 inches at Gaibanda. There was sufficient rain for the paddy, and jute and indigo have improved by the slight intermission. Public health on the whole is good, except that fever is somewhat prevalent. The number of small-pox cases has decreased.
	13 Bogra, " 30 "	2.02	Weather—Very hot and cloudy. <i>Asar</i> rice, sugarcane, and <i>asas</i> millet are doing well. The rain which has fallen during the week will greatly benefit these crops. Jute and oilseed are being cut, and a good outturn is expected.
	14 Pabna, " 30 "	1.67	Weather—Hot and rainy. The harvesting of <i>tolai dhan</i> has commenced, and the outturn appears to be favourable. The sowing of <i>asas</i> and <i>asas dhan</i> is almost finished. Cholera has entirely disappeared, but fever is somewhat prevalent.

\* Telegram of the 2nd July shows rainfall during the seven days immediately preceding.

† Report of the 2nd July shows rainfall during the seven days immediately preceding.

No.	District, and date of return.	Rainfall at Sadar Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Central Districts.			
15	Darjeeling ... ..	.....	Return not received.
16	Jalpigoree. " June 30 '77	1.11	Weather—Very oppressive. The condition of the <i>dhodoi</i> crops is excellent throughout the district, except in places where rain has been excessive. <i>Haisundi</i> paddy is being transplanted. Jute is doing well in Fallicotta, but is slightly backward in Jalpigoree.
17	Cooch Behar. " 25 "	2.23	Weather—Occasional showers, but very hot throughout the day. The weather is abnormal, but is apparently healthy, as no epidemic has appeared. 3.74 inches of rain registered at Dinhatia, and 3.22 inches at Mekligong. No rain has fallen at Mathabanga. The rainfall for the month of June up to the date of report is more than 70 per cent. under the average. The outturn of <i>bitteri dhan</i> and other early crops will be satisfactory, but unless there be heavy rain soon the <i>amra</i> crop must suffer. This is the time for planting out, but without rain this cannot be done, and the seedlings will soon wither for want of sufficient moisture. Public health is very good.
Eastern Districts.			
18	Unao. " July 2 <sup>nd</sup> '77	.30	Weather—Dry and hot since 27th June. State and prospects of the crops are favourable.
19	Furzedpore ... ..	.....	Return not received.
20	Dackergange, June 26 "	6.06	The heavy rains of the week have rendered safe the prospects of the <i>amra</i> crop. Ploughing for the <i>amra</i> crop is going on briskly everywhere. Sporadic cases of fever and cholera still continue. Disease among the cattle has appeared in four thans; elsewhere they are healthy.
21	Mymensingh. " 29 "	2.75	Weather—Cooler than on the date of last report, but getting warm again. State and prospects of the crops are fair.
22	Tippurah. " 29 "	5.29	Weather—Seasonable. 2.04 inches of rain registered at Brahmunbarish. The prospects of winter rice are at present good. Autumn rice has not been so largely sown as usual; but what there is, is of good quantity and promises well.
23	Chittagong. " 28 "	7.86	Weather—Rainy with strong wind at intervals. A heavy gale is reported to have passed over the Cox's Bazar sub-division on the night of the 21st June; but no damage was done. The prospects of <i>amra</i> crops are good. The cultivation for <i>amra</i> crops has commenced. Fever is very prevalent throughout the district. A single case of small-pox reported from Cox's Bazar.
24	Wakholly " 28 "	31.35	Weather—Cool. The incessant heavy rain of the week has done much good to the rice crops that are forward, but those that are planted late are likely to suffer if the rain water does not soon drain off. Fever is prevalent in the district.
25	Chittagong Hill Tracts. " 26 "	6.84	Weather—Seasonable. Raining throughout the week. The prospects of the <i>amra</i> crops are good. In some places Indian-corn has become fit for eating. The price of rice is very high in the local markets.
26	Hill Tipperah. " 28 "	1.63	There were slight showers during the week. More rain is wanted. The seedlings of late rice are doing well, and land is being prepared for transplantation. All other crops look well.
BEHAR.			
27	Patna. " July 2 <sup>nd</sup> '77	3.22	There was heavy rain on the 1st instant. The paddy sowing is now rapidly progressing. Health is generally good.
28	Gya. " June 30 "	.11	Weather—Less hot than it was, the maximum reading of the thermometer in the shade being 109° F. .25 of an inch of rain registered at Nowada, and none at either Jehanabad or Aurangabad. <i>Okra</i> is being reaped and cotton gathered. Sugarcane is well above ground. The <i>dhan</i> and <i>marwa</i> nurseries, and the early sowings of <i>maul</i> (4 to 6 inches above ground), suffer much from want of rain. Public health continues good.
29	Jehanabad. " 30 "	.72	Weather—Cloudy and hot. Great want of rain exists throughout the district. During the week only three-fourths of an inch fell in one shower, and that too was very local. Canals are repaired, and water is available in the irrigable area. Cholera is still bad at Bazarra.
30	Darbhanga. " 30 "	Nil	Weather—Cloudy skies and strong easterly winds during the week, but no rain. Intense heat when the wind lulled. Agricultural operations are retarded by the drought. The <i>dhodoi</i> crops which have been sown and the <i>dhan</i> nurseries are parched, and the indigo crop is suffering. Rain is urgently wanted. Cholera is still prevalent in some localities.

\* Telegrams of the 2nd July show rainfall during the seven days immediately preceding.



No.	District, and date of return.	Rainfall at Sadler Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued).*</b>			
PATNA DIST.	29 Mousterpora, June 30 '77	Nil	Weather—Very hot with high east wind. Occasionally cloudy. Rain is much wanted for all crops, especially rice, Indian-corn, and indigo. Cholera is increasing.
	30 Saran, „ 30 „	50	Weather—Unseasonably sultry, with east wind prevailing. The rains still hold off. 45 of an inch registered at Sewan. Cane has been harvested with fair results. Rain is now much wanted for the kharif sowings. The early sowings have not germinated well for want of sufficient moisture on the ground. Sugarcane looks well. Prices have slightly risen. Public health is good.
	31 Chumpanan, „ 30 „	77	Weather—East winds prevailed throughout the week, accompanied by great and most unseasonable heat. Rain fell on the 25th June, and was more or less general throughout the district; but much more is required. The great heat of the week is burning up the indigo and other crops on the ground, and the want of sufficient rain is seriously delaying the sowing of the autumn crop. Cholera is on the increase.
	32 Monghyr, „ 30 „	8	Weather—Very hot. Rain is still threatening, but is not come. It is beginning to be looked for. 34 of an inch registered at Jamui. Indigo manufacture is going on.
BAGHURDAS DIST.	33 Bhagulpore, July 2*	100	Weather—Generally cooler, but at times very sultry. East wind prevailing. The crops have suffered slightly, and the agricultural operations have been retarded by the drought; but if the heavy rain which was falling at the time of report continues, all will be well. General health is good.
	34 Purneah, June 30 „	32	Weather—Very hot. 18 of an inch of rain registered at Kiscungunge. The continued drought is causing much damage to the early rice crop. Rain is also needed for indigo, jute, and all other crops.
	35 Maldah, „ 30 „	42	Weather—High winds mostly from the east, and occasional showers. The delay in the rise of the rivers is very unseasonable. Complaints are beginning to be heard in the south that dhan is being damaged for want of rain.
	36 Pothal Pergah, July 1 „	349	Weather—Rain fell in places in the early part of the week, but sun in the latter part. 185 inches registered at Dugbur, 13 at Rajmahal, and 08 of an inch at Godda. The rain which has fallen has done much good, but more is anxiously looked for in places, especially in Godda.
<b>ORISSA.</b>			
ORISSA DIST.	37 Cutback, June 30 '77	245	Weather—Cloudy with wind and rain in the earlier days of the week; now fair. The river has risen very rapidly. The weeding of the <i>swell</i> rice is going on. The <i>asad</i> crops are sown and the plants are thriving. The rate of rice is still high. Public health is good.
	38 Pooree, „ 28 „	291	Weather—Cloudy and rainy. 253 inches registered at Khoordah. The rainfall is sufficient for the present. The sowing of the <i>asad</i> rice crop is going on well. The miscellaneous crops at this season are sugarcane, cotton, and mandia (a small cereal), and these are thriving. Several cases of cholera are reported.
	39 Belasore, „ 29 „	322	Weather—Very wet. The young rice crop promises well, and the weeding has commenced. Public health is good.
<b>CHOTA NAGPORE.</b>			
	<i>South-West Frontier Agency.</i>		
	40 Masareebagh, June 29 '77	399	Weather—Reasonable. The rains have set in on Monday the 25th June, being preceded by two days' cloudy and threatening weather. So far everything promises well.
	41 Lohardugga, „ 30 „	461	Weather—Reasonable. The rain that was wanted has come, and there can be no doubt that the monsoon rains have regularly set in. The prospects of the crops are good, as also the health of the district.
	42 Singhbhum, „ 29 „	364	Weather—Reasonable. There has been a good deal of rain since last report, which has interfered with the progress of agricultural operations; otherwise the prospects are very favourable. The district is healthy.
	43 Manbhum, „ 30 „	661	Weather—Cool and reasonable. There has been abundance of rain, and the reports of the crops are favourable all round.

\* Telegram of the 2nd July shows rainfall during the seven days immediately preceding.

Published for general information.

CALCUTTA, STATISTICAL DEPT.,  
The 3rd July 1877.H. J. S. COTTON,  
Sr. Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DISTRICTS.	DISTRICTS.	STATIONS.	Rain from 10th to 16th June 1877.	Rain from 17th to 23rd June 1877.	RAIN FROM 1ST JANUARY 1877.		REMARKS.
					Inches.	Up to date.	
BENGAL.							
BHOJPAHAR.	WESTERN DISTRICTS.		Inches.	Inches.	1877.		
	Bardhaman	Bandwan	0.19	0.67	14.16	23rd June	
		Uttara	Nil	0.48	10.91	ditto	
		Culna	1.25	1.43	14.72	ditto	
		Bood-Bood	Nil	0.27	10.74	ditto	
		Banaraganga	1.58	0.6	9.81	ditto	
	Banskhora	Jahanshab	0.18	0.42	23.24	ditto	
		Banskhora	0.05	Nil	11.20	ditto	
	Bardhaman	Boora	0.01	0.19	10.90	ditto	
		Hatnapore	Nil	1.30	14.29	ditto	
		Raypore	0.04	0.16	11.75	ditto	
	Midnapore	Midnapore	0.71	0.26	18.81	ditto	
		Tamluk	Nil	0.37	13.35	ditto	
		Ghatal	Nil	0.25	10.94	ditto	
	Hooghly	Central { Dy. Collr.'s Office	0.61	Nil	10.24	ditto	
		Hooghly { Esq. Engr.'s Office	0.30	Nil	17.09	ditto	
			0.61	2.41	20.25	ditto	
	Howrah	Serampore	0.17	5.16	19.84	ditto	
		Howrah	0.19	2.06	10.06	ditto	
		Malaschukla	Nil	0.65	17.05	ditto	
PRESIDENCY.	CENTRAL DISTRICTS.						
	24-Pargunnahs	Sauger Island	0.50	0.50	20.54	ditto	
		Calcutta	0.20	1.19	17.35	ditto	
		Alipore { Dispensary	0.30	2.18	10.55	ditto	
		Jail	0.18	2.00	10.27	ditto	
			1.22	2.10	10.78	ditto	
	Nuddea	Harriet	0.30	5.08	19.41	ditto	
		Barrow Harbour	0.87	4.55	30.53	ditto	
		Barrow	0.32	1.65	10.88	ditto	
		Sarkhila	1.47	1.85	29.49	ditto	
		Barrow	0.35	2.75	19.49	ditto	
	Jansore	Dum-Dum	0.10	2.75	18.37	ditto	
		Kishinagar	Nil	1.34	20.95	ditto	
		Hooghly	0.85	1.84	10.64	ditto	
		Melimpore	2.72	2.00	29.03	ditto	
		Choudanga	2.45	1.37	24.34	ditto	
	Jansore	Kochua	3.03	1.26	24.31	ditto	
		Ranchhat	Nil	0.56	17.16	ditto	
		Jansore	0.28	1.07	23.38	ditto	
		Narail	0.15	1.36	18.30	ditto	
		Khoolna	0.57	1.59	27.16	ditto	
RAJSHAHY.	Moochedahad	Jhenda	0.82	1.07	22.56	ditto	
		Hagirhat	1.10	2.02	30.20	ditto	
		Magorah	0.65	2.03	27.20	ditto	
		Herampur	Not recd.	1.24	14.06	ditto	Not recd. 10th to 16th June.
		Herampur Hout	ditto	0.55	18.97	ditto	ditto
	Dinagopore	Lalbagh	ditto	1.01	14.05	ditto	ditto
		Jungpore	ditto	0.29	13.50	ditto	ditto
		Asimgunge	Nil	Not recd.	12.29	10th June	
		Laligolla	Not recd.	0.54	12.71	23rd June	
		Kandee	0.71	0.69	18.46	ditto	ditto
	Maldah	Dinagopore	2.06	1.04	21.75	ditto	
		Raigunge	2.60	1.81	22.05	ditto	
		Maldah	2.54	0.50	10.89	ditto	
		Chanchal	0.74	0.23	10.25	ditto	
		Bochhal	0.25	1.55	21.41	ditto	
LUCK NERAB.	Rajshahy	Nalton	2.92	1.61	21.02	ditto	
		Rangpore	3.08	2.20	22.75	ditto	
		Shyamnagar	1.86	0.67	15.14	ditto	
		Karimgra	1.08	2.54	22.30	ditto	
		Rangpore	Not recorded.	2.08	24.08	2nd June	
	Bogra	Dogra	2.13	1.37	10.40	23rd June	
		Shyamnagar	2.02	1.70	20.85	ditto	
		Noakhilla	2.05	2.50	16.00	ditto	
		Panchbibi	0.89	0.25	14.70	ditto	
		Barbilla	2.42	2.23	14.67	ditto	
	Pulna	Pulna	2.18	1.40	20.73	ditto	
		Sardakunge	1.40	1.25	19.31	ditto	
	Darjeeling	Darjeeling { Telegraph Office	0.85	2.05	22.05	ditto	
		Hospital	1.46	2.08	30.17	ditto	
	Julpigore	Julpigore	Not recd.	0.23	27.20	ditto	
		Belah	2.50	2.80	22.30	ditto	
		Bura-Civil Surgeon's Office	2.50	2.81	26.17	ditto	
	Cooch Behar Tributary	Titalya	2.26	4.93	21.15	ditto	
		Cooch Behar	4.47	2.24	30.69	ditto	

DIVISION.	DISTRICTS.	STATIONS.	Rain from 10th to 16th June 1877.	Rain from 17th to 23rd June 1877.	RAIN FROM 1st JANUARY 1877.		REMARKS.
					Inches.	Up to date.	
*BENGAL—(Continued).							
	EASTERN DISTRICTS.		Inches.	Inches.	1877.		
Dacca.	Dacca	Dacca... { Telegraph Office ...	4'04	6'51	32'08	23rd June	
		Hospital ...	8'97	7'83	37'15	ditto	
		Moonsheegunge ...	11'98	3'21	60'46	ditto	
		Manickgunge ...	4'65	8'53	26'57	ditto	
	Farreedpore	Farreedpore ...	3'57	4'92	31'44	ditto	
		Goalundo ...	3'02	3'68	24'64	ditto	
		Madaripore ...	3'21	9'58	34'03	ditto	
	Backergunge	Burrial ...	2'05	5'25	40'81	ditto	
		Perozapore ...	1'70	2'95	28'04	ditto	
		Patuakhally ...	2'15	3'34	37'69	ditto	
		Bhola ...	4'39	8'02	31'77	ditto	
Mymensingh	Mymensingh ...	4'79	2'47	31'12	ditto		
	Jamalpur ...	1'89	2'46	24'21	ditto		
	Atia ...	5'29	2'10	28'76	ditto		
	Kishoregunge ...	0'47	1'66	33'43	ditto		
CHITTAGONG.	Chittagong	Chittagong { Telegraph Office	2'00	7'60	31'80	ditto	
		Jail ...	1'30	6'29	29'06	ditto	
		Cox's Bazar ...	0'79	7'63	30'54	ditto	
	Noakhally	Noakhally ...	1'61	14'62	37'53	ditto	
		Feunty ...	2'09	6'08	40'04	ditto	
	Tipperah	Comilla ...	1'09	5'48	39'54	ditto	
		Brahmunbariah ...	1'88	1'95	37'96	ditto	
	Chittagong Hill Tracts	Rungamatae Hill ...	0'35	6'77	31'56	ditto	
	Hill Tipperah	Hill Tipperah ...	1'57	1'07	35'28	ditto	
	BEHAR.	Patna	Patna ...	0'08	Nil	9'00	ditto
Behar ...			0'37	Nil	13'52	ditto	
Barh ...			Nil	Nil	12'37	ditto	
Dinapore { Jail			Not received.	4'99	26th May		
Gya		Cantonment...	Nil	4'68	23rd June		
		Gya ...	0'21	0'22	15'73	ditto	
		Nowadah ...	Nil	Nil	14'07	ditto	
		Aurungabad ...	Nil	Nil	12'99	ditto	
Shahabad		Jehanabad ...	Nil	Nil	11'03	ditto	
		Arrah ...	Nil	0'79	11'75	ditto	
	Basseram ...	Nil	Nil	8'63	ditto		
	Buxar ...	Nil	Nil	7'87	ditto		
PATNA.	Muzafferpore	Bhubdoah ...	Nil	Nil	5'91	ditto	
		Muzafferpore ...	Nil	Not recd.	6'88	16th June	
		Hajipur ...	Nil	ditto	7'35	ditto	
		Seetamurhee ...	0'77	ditto	8'41	ditto	
	Durbhunga	Durbhunga ...	1'58	Nil	9'49	23rd June	
		Mudhoobunnee ...	0'16	Nil	6'14	ditto	
		Tajpore ...	Nil	Nil	6'59	ditto	
	Sarun	Chupra ...	Nil	0'50	8'69	ditto	
		Sewan ...	0'85	0'06	11'59	ditto	
	Chumpanau	Motiharee ...	Nil	Nil	8'64	ditto	
Bettiah ...		0'52	Nil	14'11	ditto		
Segowlie ...		0'37	Nil	12'44	ditto		
Monghyr	Monghyr ...	0'34	0'24	10'60	ditto		
	Bagoosera ...	0'06	Nil	8'09	ditto		
	Jamcoee ...	0'47	Nil	11'64	ditto		
BHAGULPORE.	Bhagulpore	Bhagulpore ...	0'16	0'12	13'04	ditto	
		Sopool ...	Nil	Nil	9'32	ditto	
		Muddehpooora ...	Nil	Nil	10'29	ditto	
		Banks ...	0'90	0'80	10'90	ditto	
		Sonbursa ...	Nil	Nil	8'84	ditto	
Purneah	Purneah	Purneah ...	0'63	0'02	14'64	ditto	
		Kisengunge ...	0'25	1'42	18'61	ditto	
		Arrarah ...	Nil	1'20	15'88	ditto	
		Nya Doomka ...	0'61	Nil	15'60	ditto	
		Rajmahal ...	Nil	Not recd.	15'20	16th June	
Sonthal Pergunnahs	Deogher ...	Not recd.	Nil	13'88	23rd June.		
	Godda ...	0'34	0'75	9'33	ditto		
Not recd. 27th May to 2nd June and 10th to 16th June.							

DISTRICTS.	STATIONS.	Rain from 10th to 18th June 1877.	Rain from 17th to 23rd June 1877.	RAIN FROM 1ST JANUARY 1877.		REMARKS.
				Inches.	Up to date.	
ASSAM.		Inches.	Inches.		1877.	
Cuttack	Cuttack { Telegraph Office	0.10	0.50	14.40	23rd June	
	{ Hospital	0.10	1.48	15.09	ditto	
	Jajpore	Nil	1.10	22.30	ditto	
	Kendraparah	Nil	0.30	16.60	ditto	
	Jagatsingapore	Nil	1.40	9.75	ditto	
	False Point	Nil	0.20	35.00	ditto	
Pooree	Pooree	0.50	0.19	11.10	ditto	
	Khurda	Nil	1.04	15.40	ditto	
Balasore	Balasore { Exe. Engr.'s Office	Nil	0.45	12.70	ditto	
	{ Collector's Office	0.23	0.28	14.13	ditto	
	Rhaduck	0.23	1.21	22.52	ditto	
	Jellasore	Nil	Nil	19.89	ditto	
	Sorah	0.55	1.30	18.43	ditto	
	Chandbally	Nil	Nil	17.49	ditto	
Cuttack Tributary Mehals	Sumbalpor	0.90	Not recd.	10.40	18th June	
CHOTA NAGPORE.						
SOUTH-WESTERN FRONTIER AGENCY.						
Hazareebagh	Hazareebagh { Jail	0.02	1.35	12.45	23rd June	
	{ Dispensary	0.24	1.10	14.35	ditto	
	Pachamba	0.12	0.23	10.55	ditto	
Lohardugga	Ranches	0.43	0.05	16.58	ditto	
	Palamow	Nil	Nil	14.62	ditto	
Singbhoom	Chyebassa	0.11	1.98	19.72	ditto	
Manbhoom	Purnillah	0.25	0.37	17.07	ditto	
	Gorindpore	0.08	Nil	9.75	ditto	
ASSAM & ADJACENT HILLS.						
Sylhet	Sylhet	7.71	2.98	54.92	ditto	
Sibsagar	Sibsagar	4.94	Not recd.	34.89	16th June	
	Golaghat	3.60	ditto	31.98	ditto	
	Jorhat	1.86	ditto	27.12	ditto	
	Deopanie	2.79	ditto	31.04	ditto	
	Haitiy Pootia	2.94	ditto	31.92	ditto	
	Mazengah	2.35	ditto	26.43	ditto	
	Nazira	3.88	ditto	27.30	ditto	
	Suntok	2.39	ditto	31.54	ditto	
	Cherideo	3.05	ditto	32.31	ditto	
	Akyab	6.40	10.01	30.81	23rd June	
RAJPOOTANA	Alwar	Not recorded.		Nil	26th May	
	Jaipur	Nil	0.21	3.82	23rd June	
	Sambar	Nil	1.20	3.12	ditto	

CALCUTTA.  
The 30th June 1877.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 24th to 30th June 1877.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea- level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry	Wet.		Direction.	Velocity.			
CALCUTTA.	June 24th	10	29.440	29.472	80.0	79.0	96	N W by N	9.0	0.28	.....	a
		16	29.352	29.371	82.8	80.5	90	N by E	6.8	.....	.....	a
	25th	10	29.362	29.381	83.8	80.7	87	N E by E	8.5	0.04	.....	a
		16	29.284	29.303	80.4	81.0	82	S E by E	7.8	.....	.....	a, r
	26th	10	29.335	29.354	81.6	79.7	91	S by W	6.8	.....	.....	a, d
		16	29.310	29.329	80.8	78.7	91	S	8.3	0.23	.....	a
	27th	0	29.372	29.391	81.8	79.5	90	S by W	4.8	0.04	.....	a
		16	29.317	29.336	83.8	80.2	85	S E	11.2	0.05	.....	a
	28th	10	29.552	29.571	84.0	80.0	83	S	7.0	0.03	.....	a, d
		16	29.527	29.545	85.0	80.3	79	S E	7.5	0.17	.....	a
	29th	10	29.480	29.478	84.4	80.7	84	S by W	4.8	0.05	K	
		16	29.581	29.599	89.6	82.7	73	S by E	7.9	.....	K	
SAIGON ISLAND.	June 24th	10	29.618	29.636	87.6	80.9	74	S W	7.9	.....	K	
		16	29.543	29.561	91.8	82.7	67	S by W	7.0	.....	K	
	25th	10	29.525	29.541	87	81	78	W	15.0	.....	P	a
		16	29.389	29.376	82	80	96	S W	16.3	0.60	P	a, r
	26th	10	29.367	29.373	82	80	91	W S W	11.1	1.00	P	a, r
		16	29.319	29.325	80	79	96	W S W	8.3	1.00	P	a, r
	27th	10	29.309	29.375	83	80	87	W S W	21.6	2.00	P, PK	a, m
		16	29.318	29.322	83	79	83	S W	36.5	.....	P, PK	a, d
	28th	10	29.391	29.367	81	80	98	S W	28.8	0.30	P	a, r
		16	29.321	29.327	89	79	87	S W	23.2	0.10	P	a, d
	29th	10	29.592	29.598	86	81	80	S S W	18.4	0.10	PK	b, v
		16	29.539	29.545	87	81	76	S	14.8	.....	P	b
CHITTAGONG.	June 24th	10	29.670	29.685	87	81	76	S	8.6	.....	KS	b, v
		16	29.618	29.624	89	81	69	S S E	8.9	.....	KS	b, v
	25th	10	29.633	29.639	89	83	80	S W	12.8	.....	KS	b, v
		16	29.570	29.578	88	81	73	S	15.6	.....	KS	b, v
	26th	10	29.452	29.541	87	78	66	S E	6.4	.....	K, PK	b
		16	29.344	29.430	83	80	87	S S W	13.7	.....	PC	b, v
	27th	10	29.455	29.548	81	78	87	S E	7.2	1.80	PK	g
		16	29.344	29.458	84	78	75	S E	10.4	.....	K	g
	28th	10	29.412	29.505	79	78	95	S E	7.6	0.80	PK	r
		16	29.349	29.442	81	78	87	S E	15.8	0.40	PK	g
	29th	10	29.459	29.551	86	82	84	S	2.5	.....	PK	r
		16	29.427	29.520	82	80	91	S E	16.8	.....	PK	g
MADRAS.	June 24th	10	29.601	29.693	86	81	76	S S W	9.9	.....	PC	o
		16	29.539	29.631	87	81	76	W S W	3.6	.....	PK, C	v
	25th	10	29.638	29.730	87	81	76	S W	8.6	.....	PK, C	m
		16	29.618	29.637	88	80	69	Caln.	5.8	.....	PK	o
	26th	10	29.601	29.692	85	81	83	Caln.	5.8	.....	PK	o
	27th	10	29.773	29.795	92	74	40	W S W	16	.....	.....	a
		16	29.641	29.693	100	75	28	W S W	13	.....	.....	c
	28th	10	29.767	29.789	93	77	46	W S W	16	.....	.....	c
		16	29.621	29.643	95	78	44	W S W	12	.....	.....	cloudy.
	29th	10	29.733	29.755	90	75	47	S W by W	12	.....	.....	cloudy.
		16	29.640	29.662	97	74	35	W S W	18	.....	.....	cloudy.
	30th	10	29.748	29.768	92	76	45	W by S	12	0.05	.....	hazy
CUTTACK.	June 24th	10	29.788	29.808	92	76	43	W	17	.....	.....	cloudy.
		16	29.788	29.810	92	76	43	W	17	.....	.....	cloudy.
	25th	10	29.805	29.827	93	76	43	W by N	11	.....	.....	cloudy.
		16	29.798	29.818	92	76	43	W by N	12	.....	.....	cloudy.
	26th	10	29.805	29.827	93	76	43	N W by W	12	.....	.....	cloudy.
		16	29.820	29.842	93	76	43	W N W	16	.....	.....	cloudy.
	27th	10	29.714	29.736	93	76	43	E by N	8	.....	.....	cloudy.
	28th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.
		16	29.805	29.827	93	76	43	W S W	12	.....	.....	cloudy.
	29th	10	29.820	29.842	93	76	43	W S W	16	.....	.....	cloudy.
		16	29.714	29.736	93	76	43	E by N	8	.....	.....	cloudy.
	30th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.
ATTA.	June 24th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.
		16	29.805	29.827	93	76	43	W S W	12	.....	.....	cloudy.
	25th	10	29.820	29.842	93	76	43	W S W	16	.....	.....	cloudy.
		16	29.714	29.736	93	76	43	E by N	8	.....	.....	cloudy.
	26th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.
		16	29.805	29.827	93	76	43	W S W	12	.....	.....	cloudy.
	27th	10	29.820	29.842	93	76	43	W S W	16	.....	.....	cloudy.
		16	29.714	29.736	93	76	43	E by N	8	.....	.....	cloudy.
	28th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.
		16	29.805	29.827	93	76	43	W S W	12	.....	.....	cloudy.
	29th	10	29.820	29.842	93	76	43	W S W	16	.....	.....	cloudy.
		16	29.714	29.736	93	76	43	E by N	8	.....	.....	cloudy.
	30th	10	29.816	29.838	94	77	44	W S W	12	.....	.....	cloudy.

\* Velocity of wind in miles per hour.

CALCUTTA,  
The 30th June 1877.JOHN ELIOT,  
Meteorological Reporter to the  
Government of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 24th to 30th June 1877.

Month.	Date.	Mean pressure; barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.				WIND.		Miles recorded.	Rain.	WEATHER.
			Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.				
1877.		Inches.	☉	☉	☉	☐	☐	Inch.	☉					Inch.	
June	24th	29.421	80.1	84.0	8.3	77.7	78.9	0.876	78.5	90	Till noon N.W. by N., till midnight N.N.E. through N.	142	0.16	Cloudy; r at 8 A.M.; rain at 8-20 A.M. o.	
"	25th	344	81.3	87.5	8.6	79.0	80.0	1.005	79.4	83	Till 4 P.M. E.S.E. through N.E. & E., till midnight S. by W. through E., N. and W.	115	0.04	Cloudy; r at 12.20, 1-20 and 6 P.M. o.	
"	26th	336	79.8	82.6	4.6	78.0	78.6	0.966	78.2	95	Chiefly S.S.W.	157	0.18	Cloudy, d at intervals, rain, o.	
"	27th	373	79.6	87.0	9.5	77.5	78.3	0.956	77.0	95	Till 9 A.M. S.S.E., till midnight S. E.	184	0.05	Cloudy, d at intervals, rain, o	
"	28th	563	81.2	88.0	11.0	77.0	79.0	0.966	78.2	91	Chiefly S.S.E.	159	0.09	Till 4 P.M. cloudy, d at intervals, o, night clear; ☉ at 10 P.M.,	
"	29th	646	82.2	91.8	11.8	80.0	79.7	0.909	78.2	85	Till 8 A.M. S.E., till midnight S. by W.	123	Nil	Partially cloudy till 4 P.M., d at 9-29 A.M.; night clear.	
"	30th	603	83.0	92.2	18.0	79.2	80.1	0.974	78.4	83	Chiefly south	142	...	Chiefly clear.	

The mean pressure of the seven days	...	Inch.	29.469
The average pressure of the corresponding period for 20 years	...	...	29.520
The mean temperature of the seven days	...	...	81.3
The average temperature of the corresponding period for 20 years	...	...	80.0
The extreme variation of temperature during the seven days	...	...	15.2
The maximum temperature during the seven days	...	...	92.2
The mean humidity during the seven days	...	...	91
The average humidity of the corresponding period for 24 years	...	...	84

The total fall of rain from 24th to 30th June 1877	...	Inch.	0.52
The average fall of the corresponding period for 24 years	...	...	2.76

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's o. 86) at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed at the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

d drizzling, r rain, o overcast, ☉ Lunar Corona.

H. F. BLANFORD, Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA, the 2nd July 1877.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH, BENGAL.

## ORISSA CIRCLE.

Statement showing the total amount of Traffic and Tolls on the Kendrapara Canal for the month of April 1877.

LENGTH OF CANAL OPEN—89 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A. P.	A. P.
35	Paddy	5,604	5,604	7,735	276	7,238	90 0 0	.....
59	Rice	13,440	26,880	18,104	650	15,942	228 4 0	.....
57	Jaggery	5,236	20,830	18,305	657	16,602	120 12 0	.....
3	Oil-cake	393	393	625	19	304	5 0 0	.....
11	Salt	1,300	6,500	2,318	83	2,400	18 4 0	.....
12	Gingerly	32	123	45	1	16	0 13 0	.....
5	Gram	491	736	603	25	750	9 2 0	.....
2	Turneric	280	1,400	514	19	278	3 8 0	.....
1	Mustard	40	200	60	2	42	0 8 0	.....
12	Firewood	700	70	1,400	50	1,050	6 12 0	.....
1	Telegraph stores	100	100	183	7	210	2 10 0	.....
2	Cotton	156	1,500	359	12	144	1 10 0	.....
4	Spices	104	1,000	185	7	210	1 14 0	.....
4	Timbers	203	661	450	16	384	8 8 0	.....
2	Bamboos	143	17	221	8	128	2 4 0	.....
1	Passenger boat	.....	.....	84	3	90	0 12 6	.....
146	Empty boats	.....	.....	11,511	411	8,394	110 1 0	.....
346	Total	26,978	75,037	62,859	2,215	48,342	620 9 6	0 20
118	Total of same month last year	4,033	13,607	12,304	434	10,140	115 7 8	0 21
MISCELLANEOUS.								
8	Timbers, 150 in number	.....	534	.....	.....	.....	27 8 0	.....
19	Bamboos, 21,316 in number	.....	341	.....	.....	.....	24 8 2	.....
1	Wooden knots, 40 in number	.....	10	.....	.....	.....	0 6 8	.....
23	Total	.....	949	.....	.....	.....	52 6 10	.....
12	Total of same month last year	.....	286	.....	.....	.....	14 6 0	.....
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
30	Laterite stone	8,576	133	15,004	504	16,176	188 0 0	.....
2	Gyals	200	100	533	19	204	2 10 0	.....
1	Bricks	50	20	80	3	63	0 12 0	.....
2	Miscellaneous	700	700	1,200	43	1,376	10 0 0	.....
39	Empty boats	.....	.....	6,985	250	5,604	67 14 0	.....
74	Total	9,896	963	24,722	893	25,613	237 4 0	0 17
13	Total of same month last year	900	520	2,521	90	1,410	13 10 0	0 16
MISCELLANEOUS.								
1	Lock-gates, 4 in number	.....	800	.....	.....	.....	2 0 0	.....
16	Boats jammed free	.....	.....	.....	.....	.....	.....	.....
17	Total	.....	800	.....	.....	.....	2 0 0	.....
Total of same month last year								
TRAFFIC BETWEEN CUTTACK AND SEABOARD.								
(1) PRIVATE.								
217	Paddy	27,085	27,085	37,089	.....	.....	544 10 0	.....
173	Rice	48,000	97,200	63,718	.....	.....	1,075 10 0	.....
23	Spices	8,300	68,600	6,374	.....	.....	91 2 0	.....
8	Salt	1,729	6,460	2,801	.....	.....	40 8 0	.....
3	Oil-cake	500	500	738	.....	.....	10 14 0	.....
4	Gram, &c.	1,632	8,854	1,749	.....	.....	86 3 2	.....
1	Telegraph stores	500	500	510	.....	.....	7 14 0	.....
10	Gingerly	2,559	11,840	5,080	.....	.....	80 12 0	.....
1	Hides, &c.	417	6,800	417	.....	.....	8 8 0	.....
1	Piece-goods, potatoes, beer, &c.	840	8,800	840	.....	.....	18 4 0	.....
29	Shoppers	6,900	21,224	11,450	.....	.....	167 10 0	.....
2	Gunny-bags	150	1,050	300	.....	.....	4 8 0	.....
23	Bamboos	1,165	133	3,502	.....	.....	33 4 0	.....
17	Timbers	2,400	7,899	4,291	.....	.....	61 8 0	.....
3	Rope, oilman's stores, onions, biscuits, clothing, sundries, &c.	701	11,840	701	.....	.....	15 8 9	.....
3	Piece-goods, khes, twist, copper, &c.	673	18,310	673	.....	.....	14 10 0	.....
4	Kerosene-oil, gunnies, piece-goods, &c.	706	12,456	706	.....	.....	15 3 9	.....
2	Ghee, pepper, spices, &c.	505	8,400	505	.....	.....	10 16 6	.....
2	Betel-nuts, chillies, paints, spices, &c.	1,074	9,050	1,074	.....	.....	23 2 8	.....
4	Piece-goods, tool, stores, spices, paint, &c.	723	12,900	723	.....	.....	13 13 8	.....
1	Jaggery	100	500	203	.....	.....	8 0 0	.....
1	Turneric	150	750	203	.....	.....	4 2 0	.....
1	Cocconuts	350	800	445	.....	.....	6 6 0	.....
1	Metals, sundries, &c.	700	7,300	700	.....	.....	15 8 9	.....
7	Passenger boats	.....	.....	559	.....	.....	11 2 2	.....
238	Empty boats	.....	.....	31,235	.....	.....	391 9 0	.....
776	Total	1,03,416	3,41,009	1,81,534	6,477	2,60,080	2,630 12 3	0 19
244	Total of same month last year	32,120	1,09,421	66,229	2,115	68,830	827 8 8	0 17
MISCELLANEOUS.								
10	Timbers, 304 in number	.....	1,316	.....	.....	.....	114 0 0	.....
10	Bamboos, 24,230 in number	.....	572	.....	.....	.....	60 10 8	.....
10	Total	.....	1,788	.....	.....	.....	174 10 0	.....
8	Total of same month last year	.....	72	.....	.....	.....	11 6 0	.....

## Kendrapara Canal.—(Continued)

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
1	Laterite stone	700	11	1,248			19 0 0	
1	Mal boards	12	39				0 6 0	
1	Miscellaneous	100	100	148			1 14 0	
2	Empty boats			1,786			25 14 0	
1	Passenger boat			25			0 6 10	
12	Total	812	123	3,225	115	4,800	45 9 10	0 19
19	Total of same month last year	5,800	1,700	16,804	600	25,200	91 3 6	0 6
MISCELLANEOUS.								
			16				1 8 0	
18	Timbers, 4 in number							
	Boats passed free							
18	Total		16				1 8 0	
	Total of same month last year							

## ABSTRACT—LOCAL TRAFFIC.

360	Private, including miscellaneous	23,073	75,906	62,850	2,345	48,312	673 0 4	
91	Government stores, including miscellaneous	9,824	1,753	21,722	863	25,615	289 4 0	
400	Total	32,897	77,659	84,572	3,208	73,927	962 4 4	
143	Total of same month last year	4,933	14,113	14,725	521	11,586	143 7 8	

## TRAFFIC BETWEEN CUTTACK AND SEABOARD.

788	Private, including miscellaneous	1,63,316	3,42,487	1,81,354	6,477	2,50,090	2,964 6 8	
30	Government stores, including miscellaneous	812	189	2,293	115	4,800	48 0 10	
816	Total	1,64,128	3,42,676	1,83,647	6,592	2,54,890	3,012 7 6	
266	Total of same month last year	27,020	1,10,283	76,037	2,715	1,14,030	930 2 2	
1,276	Grand Total	1,91,148	4,52,959	2,59,684	9,307	3,68,920	3,942 9 8	
	Deduct amount of tollage for February and March 1877 erroneously debited to the Mahanadi division						52 3 0	
	Net balance Rs.						3,772 9 10	
609	Grand Total of same month last year...	42,823	1,24,306	90,762	3,239	1,25,616	1,072 9 10	

## High Level Canal.

LENGTH OF CANAL OPEN—37 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE.

75	Rice	15,400	30,980	21,582	771	23,117	244 10 4	
12	Salt	2,915	14,675	5,901	211	6,591	91 8 2	
4	Paddy	1,383	1,283	1,740	62	2,103	25 6 0	
4	Cotton	290	2,900	830	30	141	11 10 0	
13	Straw	540	200	1,424	61	308	6 7 6	
3	Sugar	700	14,000	1,240	41	554	6 0 0	
1	Timber	262	851	350	12	425	5 4 0	
3	Gram	283	482	413	15	365	4 0 0	
2	Jaggery	161	805	232	8	252	3 2 0	
1	Leather	75	750	100	4	121	1 8 0	
1	Lime	150	28	248	9	61	1 7 0	
2	Robin	10	60	52	2	30	0 6 8	
1	Oil	10	180	90	1	50	0 5 0	
91	Empty boats			10,574	373	8,451	111 3 2	
3	Passenger boats			818	11	380	6 2 10	
222	Total	22,274	67,014	48,055	1,609	42,875	454 4 0	0 23
91	Total of same month last year	8,921	26,210	17,841	637	10,470	154 12 0	0 24
	Miscellaneous							
	Total							
	Total of same month last year							

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

33	Laterite	9,343	147	12,511	447	447	60 14 0	
4	Charcoal	1,103	1,792	2,532	90	2,679	32 2 0	
3	Resins	958	3,088	1,600	87	1,246	23 10 0	
3	Shutters	350	350	1,230	44	1,404	18 0 0	
63	Shutters	270	3,700	678	24	821	10 2 0	
1	Empty boats			3,120	114	8,980	103 14 0	
160	Total	12,134	7,857	21,720	776	13,676	248 10 0	0 34
16	Total of same month last year	2,963	1,388	7,466	247	7,028	90 10 0	0 34
MISCELLANEOUS.								
2	Boats passed free							
2	Total							
16	Total of same month last year							

## ABSTRACT.

223	Private, including miscellaneous	22,274	67,014	48,055	1,609	42,875	454 4 0	
111	Government stores, including miscellaneous	12,134	7,857	21,720	776	13,676	248 10 0	
333	Grand Total	34,408	74,871	69,775	2,385	56,551	702 14 0	
123	Grand total of same month last year...	11,184	27,598	25,307	904	17,498	223 6 0	



## Taldunda Canal.

LENGTH OF CANAL OPEN—27 MILES.

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
LOCAL TRAFFIC.								
(1) PRIVATE.								
		Mds.	Rs.				Rs. A. P.	A. P.
11	Rice ... ..	3,411	6,822	5,264	186	488	3 8 5	.....
20	Paddy ... ..	6,282	5,050	9,444	357	3,375	23 10 2	.....
2	Jaggery ... ..	405	2,413	505	21	531	1 7 5	.....
1	Pumpkins ... ..	33	15	81	3	9	0 3 3	.....
1	Bamboos ... ..	175	30	252	9	90	0 10 1	.....
1	Fuel ... ..	298	40	300	11	108	0 12 0	.....
54	Empty boats ... ..	.....	.....	6,669	274	2,382	13 4 8	.....
96	Total ... ..	10,514	14,370	22,389	807	6,917	43 8 0	0 12
96	Total of same month last year ... ..	2,807	1,520	7,430	265	3,280	20 13 0	0 12
MISCELLANEOUS.								
...	27,500 bamboos ... ..	.....	403	.....	.....	.....	28 6 8	.....
...	65 logs ... ..	.....	237	.....	.....	.....	12 6 0	.....
...	Demurrage of one boat for five days ... ..	.....	.....	.....	.....	.....	1 4 0	.....
...	Total ... ..	.....	730	.....	.....	.....	42 0 8	.....
...	Total of same month last year ... ..	.....	418	.....	.....	.....	22 12 0	.....
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
11	Rubble ... ..	3,562	155	6,662	239	2,578	16 10 6	.....
11	Empty boats ... ..	.....	.....	3,100	111	1,107	7 12 0	.....
22	Total ... ..	3,562	155	9,762	349	3,685	24 6 6	0 13
110	Total of same month last year ... ..	13,477	604	40,560	1,775	3,540	123 14 9	0 67
MISCELLANEOUS.								
...	10,000 bamboos ... ..	.....	150	.....	.....	.....	16 10 8	.....
...	8 logs ... ..	.....	10	.....	.....	.....	0 12 0	.....
...	Total ... ..	.....	160	.....	.....	.....	17 6 8	.....
...	Total of same month last year ... ..	.....	.....	.....	.....	.....	.....	.....
ABSTRACT—LOCAL TRAFFIC.								
96	Private, including miscellaneous ... ..	10,514	15,100	22,389	807	6,917	83 8 8	.....
22	Government stores, including miscellaneous ... ..	3,562	315	9,762	349	3,485	41 13 2	.....
118	Grand Total ... ..	14,076	15,415	32,151	1,156	10,402	127 3 10	.....
180	Grand total of same month last year ... ..	31,444	2,806	50,990	2,035	6,820	167 7 9	.....

## SOUTH-WESTERN CIRCLE.

## Midnapore Canal.

LENGTH OF CANAL OPEN—58 MILES.

LOCAL TRAFFIC.								
(1) PRIVATE.								
6	Betei-nuts ... ..	750	5,500	1,775	.....	.....	18 2 0	.....
2	Coal and coke ... ..	325	163	800	.....	.....	4 0 0	.....
16	Cotton, raw ... ..	2,040	50,000	6,400	.....	.....	51 6 0	.....
5	Cotton, twist, and yarn (European) ... ..	390	13,100	1,175	.....	.....	8 5 8	.....
4	Cotton piece-goods (European) ... ..	184	9,800	2,450	.....	.....	49 9 0	.....
404	Empty boats ... ..	.....	.....	23,115	.....	.....	476 9 9	.....
2	Earthenware ... ..	75	6 18	270	.....	.....	1 6 6	.....
2	Firewood ... ..	100	25	275	.....	.....	1 6 0	.....
27	Fruits and nuts of all kinds ... ..	5,040	14,175	14,550	.....	.....	162 3 0	.....
55	Gram and pulses ... ..	4,830	10,272	10,550	.....	.....	108 9 0	.....
3	Hides of cattle, untanned, No. 4,500 ... ..	500	4,300	875	.....	.....	5 7 6	.....
8	Indigo seed ... ..	2,625	50,600	5,300	.....	.....	112 14 6	.....
1	Iron and its manufacture ... ..	180	500	350	.....	.....	3 3 0	.....
45	Lime ... ..	11,000	20,450	20,025	.....	.....	202 4 0	.....
1	Mustard ... ..	12	54	70	.....	.....	0 5 6	.....
1	Other fibres, raw ... ..	125	125	350	.....	.....	7 7 0	.....
3	Other fibres, manufactured ... ..	40	200	275	.....	.....	8 13 9	.....
1	Other saline substances ... ..	25	25	200	.....	.....	1 4 0	.....
327	Paddy ... ..	20,203	28,417	62,065	.....	.....	875 15 0	.....
300	Passenger boats ... ..	.....	.....	13,190	.....	.....	190 14 0	.....
64	Rice ... ..	20,610	33,674	87,325	.....	.....	451 7 0	.....
8	Sugar, unrefined ... ..	765	2,405	1,950	.....	.....	22 10 8	.....
59	Salt ... ..	19,500	82,625	88,900	.....	.....	273 10 6	.....
8	Straw, 47 kahans ... ..	474	108	1,035	.....	.....	9 13 0	.....
2	Silk, raw ... ..	80	12,800	150	.....	.....	0 10 3	.....
1	Stone plates ... ..	125	600	275	.....	.....	1 11 6	.....
4	Sul piles, No. 73 ... ..	235	215	440	.....	.....	8 15 9	.....
11	Timber, No. 63 ... ..	1,110	1,535	1,110	.....	.....	29 9 0	.....
20	Tobacco ... ..	3,050	25,105	7,015	.....	.....	83 3 6	.....
1	Vegetable and other kinds of provision ... ..	125	250	300	.....	.....	6 8 0	.....
1,446	Total ... ..	1,00,978	3,78,629	2,62,000	9,024	1,77,872	3,140 1 8	0 3
3,333	Total of same month last year ... ..	2,21,504	9,40,433	6,77,105	23,390	3,59,657	5,314 0 9	0 3
MISCELLANEOUS.								
1	Goats, No. 100 ... ..	.....	70	.....	.....	.....	1 0 6	.....
...	Passengers, No. 1,027 ... ..	.....	75	.....	.....	.....	43 13 8	.....
...	Hafts of timber, No. 4 ... ..	.....	600	.....	.....	.....	1 8 0	.....
3	Sul piles, No. 10 ... ..	.....	.....	.....	.....	.....	1 14 0	.....
12	Boats passed free ... ..	.....	.....	.....	.....	.....	.....	.....
10	Total ... ..	.....	745	.....	.....	.....	48 3 9	.....
21	Total of same month last year ... ..	.....	2,653	.....	.....	.....	248 13 3	.....



## Arrah Canal.—(Continued.)

Number of boats.	Nature of cargo.	APPROXIMATE		TONNAGE OF BOATS.		Ton mileage.	Tollage.	Rate of toll per ton mile.
		Weight of cargo.	Value of cargo.	Mds.	Tons.			
(2) STORES AND MATERIALS FOR IRRIGATION WORKS.								
		Mds.	Rs.				Rs. A. P.	A. P.
1	Bullahs	100	13	557	18	760	7 10 6	.....
3	Wooden articles	150	72	1,561	87	3,283	15 0 0	.....
1	Board	65	04	229	9	439	4 14 9	.....
1	Blocks	100	9	246	9	344	1 11 0	.....
100	Packing rubble	10,000	366	41,499	1,828	30,010	618 12 9	.....
17	Ashtar	1,100	212	7,175	264	34,227	73 13 9	.....
3	Coal	504	236	1,016	34	1,537	33 9 3	.....
1	Cap stone	100	29	258	9	102	1 9 0	.....
2	Mill stone	200	32	731	27	698	6 4 0	.....
1	Office records	.....	.....	585	13	911	7 10 6	.....
1	Grooves	100	20	203	8	109	4 6 0	.....
1	Grass	100	5	212	8	203	8 2 0	.....
4	Passenger boats	.....	.....	1,214	45	3,015	27 1 0	.....
68	Empty boats	.....	.....	16,183	558	32,351	235 14 9	.....
104	Total	12,509	1,067	70,238	2,580	1,18,488	1,628 7 9	0 1 6
	Total of same month last year	.....	.....	.....	.....	.....	.....	.....
MISCELLANEOUS.								
	Raft of timber, No. 50	.....	.....	.....	.....	.....	21 6 0	.....
	Total	.....	.....	.....	.....	.....	21 6 0	.....
	Total of same month last year	.....	.....	.....	.....	.....	.....	.....

## ABSTRACT LOCAL TRAFFIC.

84	Private, including miscellaneous	7,344	24,423	20,847	767	32,149	371 10 6	
5194	Government stores, including miscellaneous	12,500	1,067	70,238	2,580	1,18,483	1,611 13 9	
275	Grand Total	19,753	25,490	91,125	3,347	1,50,637	1,416 8 3	
	Grand total of same month last year							

## Western Main Canal.

LENGTH OF CANAL OPEN—22 MILES.

## LOCAL TRAFFIC.

## (1) PRIVATE.

6	Landed, wheat, paddy, groceries, &c.	1,003	5,205	2,925	106	2,376	42 6 6	
8	Packing rubble	2,413	310	4,125	182	760	25 12 0	
92	Empty boats			4,000	149	1,732	30 14 0	
30	Total	4,126	5,515	11,050	437	4,968	99 1 0	0 3 0
	Total of same month last year							
	MISCELLANEOUS.							
	Demurrage of one boat for one day						3 6 0	
	Ditto of one raft of 9,000 hill bamboos and 1,000 bullahs						4 12 0	
	Total						7 2 0	
	Total of same month last year							

## (2) STORES AND MATERIALS FOR IRRIGATION WORKS.

16	Kibble stone	6,285	314	8,500	318	1,565	53 2 0	
36	Board stone	9,028	806	17,725	652	3,320	116 12 0	
57	Empty boats			8,000	228	1,246	67 5 0	
106	Total	15,313	1,120	35,125	1,198	6,771	221 5 0	0 6 3
	Total of same month last year							
	Miscellaneous							
	Total							
	Total of same month last year							

## ABSTRACT—LOCAL TRAFFIC.

36	Private, including miscellaneous	4,425	5,511	11,050	409	4,868	190 3 0	
108	Government stores, ditto	15,311	1,120	35,125	1,294	6,771	221 8 0	
144	Grand Total	19,736	6,631	46,175	1,702	11,639	297 6 0	
	Grand total of same month last year							

## ABSTRACT.

CANALS.	TOLLAGE OF THE YEAR 1877-78.		TOLLAGE OF THE YEAR 1876-77.		REMARKS.
	During the month.	To end of month.	During the corresponding month.	To end of cor- responding month.	
ORISSA CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Kendraparah .....	3,772 9 10	3,772 9 10	1,072 9 10	1,072 9 10	
High Level, Section I .....	806 15 0	806 15 0	225 0 9	225 0 9	
Taldanda .....	127 5 10	127 5 10	167 7 9	167 7 9	
Total Orissa Circle .....	4,705 13 8	4,706 13 8	1,465 8 4	1,465 8 4	
SOUTH-WESTERN CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Midnapore .....	3,188 5 8	3,184 5 8	5,542 14 0	5,542 14 0	
Tidal .....	8,436 10 0	8,436 10 0	4,732 4 0	4,732 4 0	
Total South-Western Circle .....	11,624 15 9	11,624 15 9	10,274 8 0	10,274 8 0	
BONG CIRCLE.					
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
Arrah .....	1,416 8 3	1,416 8 3	.....	.....	
Western Main .....	327 6 0	327 6 0	.....	.....	
Total Bong Circle .....	1,743 14 9	1,743 14 9	.....	.....	
Grand Total .....	18,075 12 2	18,075 12 2	11,760 10 10	11,760 10 10	

G. A. SEARLE, Col., B.C.,

Asst. Secretary to the Government of Bengal,  
in the P. W. Dept., Irrigation Branch.

The 19th June 1877.

## Weekly Return of Traffic Receipts on Indian Railways.

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1877, on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC			Total Receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts		
		Rs. A. P.	£. s. d.		Mds. Strs.	Rs. A. P.	
Total traffic for the week	29,103	3,952 0 0	398 4 0	18,725 0	434 0 0	45 8 0	445 12 0
per mile of railway	1,041	142 0 0	14 4 0	669 0	16 0 0	1 12 0	15 16 0
or previous 24 weeks of half-year	232,546	34,127 0 0	3,412 14 0	4,43,316 0	15,072 0 0	1,507 4 0	4,919 14 0
Total for 25 weeks	261,708	38,109 0 0	3,810 18 0	4,57,241 0	15,526 0 0	1,552 12 0	5,268 16 0
COMPARISON.							
Total for corresponding week of previous year	7,076	1,078 0 0	107 11 2	15,313 10	516 0 0	51 12 1	159 5 3
per mile of railway, corresponding week of previous year	271	39 8 8	3 10 10	546 36	18 6 10	1 10 10	5 13 4
Total to corresponding date of previous year	230,308	33,983 15 0	3,290 7 10	4,33,902 20	14,480 0 3	1,448 0 0	4,711 7 10

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1877, on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. Str.	Rs. A. P.	£ s. d.	£ s. d.
total traffic for the week	3,323	1,006 0 0	100 2 0	3,709 0	690 0 0	69 16 0	230 8 0
per mile of railway	123	89 0 0	8 18 0	322 0	25 8 0	2 11 0	8 0 0
or previous 24 weeks of half-year	52,350	29,185 0 0	2,913 10 0	1,90,975 0	13,561 0 0	1,356 2 0	3,899 12 0
Total for 25 weeks	55,012	29,711 0 0	2,974 2 0	1,93,544 0	14,030 0 0	1,405 14 0	4,130 0 0
COMPARISON.							
total for corresponding week of previous year	1,590	760 13 11	76 10 8	3,209 10	343 13 0	34 7 7	115 7 8
per mile of railway, corresponding week of previous year	59	28 4 0	2 16 0	117 31	13 5 7	1 0 8	4 3 2
total to corresponding date of previous year	51,160	25,204 2 3	2,520 8 3	1,74,325 10	12,430 4 0	1,242 16 8	3,983 1 0

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 23rd June 1877, on 1,279½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coachings receipts.		Weight carried.		Receipts.		Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. Sr.		Rs. A. P.	£ s. d.	Rs. A. P.		
Total traffic for the week ...	143,031	1,52,369 1 0	13,969 18 3	13,15,008 10		6,95,063 1 9	57,389 0 5	7,78,481 2 9	44,798	108,000
Or per mile of railway ...	.....	119 1 4	10 18 4	.....		489 3 4	44 16 10	606 4 5	.....	.....
For previous 24 weeks of half-year ...	3,868,756	47,06,161 15 6	431,398 8 5	3,21,09,939 20		1,36,12,605 13 11	1,047,917 0 9	1,83,18,697 11 5	1,117,130	2,546,950
Total for 25 weeks ...	3,430,687	45,58,500 14 6	445,368 1 8	3,34,17,445 30		1,44,39,567 15 8	1,900,292 1 3	1,90,97,128 14 2	1,161,924	2,856,623
COMPARISON.										
Total for corresponding week of previous year ...	130,104	1,29,385 13 10	11,860 7 5	9,17,064 0		3,80,905 2 13	34,907 2 10	5,10,101 0 9	42,371	77,304
Per mile of railway, corresponding week of previous year ...	.....	101 1 8	9 5 4	.....		297 9 6	27 5 7	398 10 6	.....	.....
Total to corresponding date of previous year ...	3,209,705	47,75,694 5 7	437,790 6 4	3,30,03,415 0		1,10,40,066 4 2	1,019,630 3 2	1,58,34,890 9 9	1,133,369	2,056,244

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

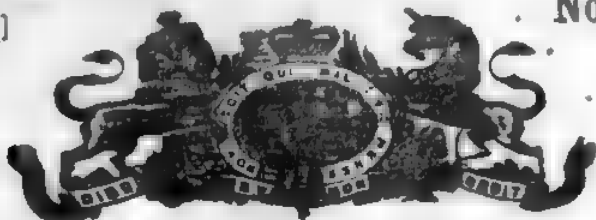
Approximate Return of Traffic for week ended 23rd June 1877, on 223½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.		
	No. of passengers.	Coachings receipts.		Weight carried.		Receipts.		Coaching.	Merchandise.	Total.
		Rs. A. P.	£ s. d.	Mds. Sr.		Rs. A. P.	£ s. d.	Rs. A. P.		
Total traffic for the week ...	6,453	15,069 2 9	1,463 16 9	1,91,805 20		42,794 14 0	3,922 17 4	28,794 0 9	4,651	10,052
Or per mile of railway ...	.....	71 5 11	6 10 10	.....		191 4 3	17 10 6	262 10 1	.....	.....
For previous 24 weeks of half-year ...	170,693	5,33,170 10 0	53,365 12 10	58,02,730 0		14,53,783 4 9	136,013 9 4	30,03,953 14 9	118,210	365,403
Total for 25 weeks ...	177,124	5,39,139 12 9	54,829 0 7	59,94,064 20		15,26,578 2 0	139,036 6 8	31,24,717 15 6	122,861	376,698
COMPARISON.										
Total for corresponding week of previous year ...	4,722	11,394 3 6	1,035 6 1	83,963 0		21,943 1 4	2,011 9 0	33,387 4 9	4,354	6,276
Per mile of railway, corresponding week of previous year ...	.....	50 7 8	4 12 6	.....		96 1 1	9 19 10	148 8 9	.....	.....
Total to corresponding date of previous year ...	162,038	4,53,963 1 5	41,790 13 4	26,33,298 0		6,13,897 10 1	54,375 19 6	10,69,890 11 6	116,534	146,423

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 23rd June 1877, on 168½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.
	Number of passengers.	Coachings receipts.		Weight carried.		Receipts.	
		Rs. A. P.	£ s. d.	Mds. Sr.		Rs. A. P.	£ s. d.
Total traffic for the week ...	66,746	31,429 3 6	2,634 13 7	2,38,071 5		44,339 5 6	4,063 10 5
Or per mile of railway ...	296	108 13 9	16 4 7	1,504 16		260 1 11	25 13 7
For previous 24 weeks of half-year ...	686,861	6,00,440 4 9	55,040 7 5	47,44,030 39		9,31,900 19 6	90,100 10 11
Total for 25 weeks ...	933,108	6,31,909 6 3	57,673 1 0	40,63,123 4		10,37,390 0 5	94,169 1 5
COMPARISON.							
Total for corresponding week of previous year ...	20,361	20,307 3 7	1,961 10 4	1,36,070 0		25,375 1 8	2,316 17 9
Per mile of railway, corresponding week of previous year ...	250	122 5 3	11 15 3	876 11		150 11 5	14 19 10
Total to corresponding date of previous year ...	940,740	6,22,300 5 5	57,107 3 9	39,57,442 14		7,32,335 3 0	66,258 19 3



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 11, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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## RELATIONS BETWEEN GOVERNMENT AND PRESIDENCY BANKS.

No. 1222.

### GOVERNMENT OF INDIA. FINANCIAL DEPARTMENT. ACCOUNTS.

### RESOLUTION.

SIMLA, THE 18TH JUNE 1877.

SINCE the transfer to the Presidency Banks of the business formerly transacted at the General Treasuries of the Government at the Presidency Towns, the title of "General Treasury" or "Her Majesty's Treasury," and the like, have been in some cases applied to the departments of the Presidency Banks in which the public business is transacted, and these designations have received, from time to time, more or less definite official recognition.

2. The relations between the Government and these Banks have now been carefully defined anew, by the Presidency Banks' Act, 1876, section 36 (o), and agreements in accordance therewith; and the Governor-General in Council deems it expedient that any language or nomenclature which may tend to obscure these relations should be disused.

3. The relations of the State to the Presidency Banks do not differ in character from those of any other depositors in the Bank: only, by reason of the large amounts of the Public Deposits in the Banks, and the great public interests connected therewith, certain powers of supervision and audit, which are not possessed by private depositors, have been reserved by the Government.

4. At the desire of the Government of India the Bank of Bengal has for some time past abstained from assuming, for any part of its establishment, the title of "General Treasury;" and the Comptroller-General has taken measures to change the practice by which bills payable at the Bank of Bengal have been addressed to the "General Treasury."

5. The Governor-General in Council is now pleased to desire that each Presidency Bank will cease to use any nomenclature or language which may seem to imply that its relations to the Government are other than those of Banker or Agent; and that, in particular, both the Presidency Banks and the officers of the Government will abstain from applying to any department of the Banks the title of General Treasury or Her Majesty's Treasury.

ORDERED that copies of this Resolution be distributed as follows:--

To the other departments of the Government of India;

to each Local Government;

to the Comptroller-General, the Accountants-General, and Deputy Accountants-General in independent charge; and

to the Presidency Banks of Bengal, Madras, and Bombay.

Any needful instructions should be issued in the Military and Public Works Departments to the officers in charge of the Departmental Accounts.

The Comptroller-General will take any measures which he may find necessary in order to eliminate erroneous expressions from all public forms and documents in use in the Civil Account Department.

R. B. CHAPMAN,

*Secretary to the Government of India.*



Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different District of Bengal, as reported to Government during the week ending the 7th July 1877.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
ROADWAY DIV.	1 Burdwan, July 9 <sup>th</sup> '77	1.28	The rainfall at Culna has been 4.60 inches, at Cutwa 5.79 inches, at Jehanabad 3.56 inches, at Hood-Hood 2.38 inches, and at Itansegunge only .61 of an inch. The prospects of the crops are good. Fever is prevalent.
	2 Bankura, July 7 '77	.69	Little rain fell during the week, although it was constantly threatening. It is much wanted.
	3 Beerbhoom, " 7 "	1.57	Weather—Dry and hot at the beginning of the week, but during the last three days the rains seem to have set in steadily. There has been plenty of rain in the south-eastern quarter of the district, where the young rice is very good; elsewhere it is decidedly backward. But no harm whatever will have been done if the rain now continues steadily, of which there is every promise.
	4 Midnapore, " 7 "	.76	Weather—Cloudy and seasonable, but the rainfall during the week has been very light. In all parts of the district the cultivators would like to have more copious rain.
	5 Hooghly, " 7 "	4.34	Weather—Cloudy and rainy. The late rains have been very beneficial. Autumn rice is being weeded, and the transplantation of winter rice is going on. Public health is normal. Cattle disease still prevails in one village in thana Bullagur.
	Howrah, " 7 "	1.48	The weather is favourable, and the state and prospects of the crops continue to be very good.
<i>Central Districts.</i>			
PRESIDENCY DIV.	6 24-Pergunnahs, July 9 <sup>th</sup> '77	3.62	Weather—Cloudy and rainy, but not cool. Rain has fallen throughout the district and has done good to the crops. Early rice is doing well. Transplantation of <del>osma</del> or late rice has commenced. Ordinary fever prevails at Barripore.
	7 Nuddea, " 7 "	12.57	There has been very heavy rain during the week. The rice crop is very promising. Some fine weather is now required for all crops.
	8 Jessore, " 7 "	5.92	The seasonable rain which has fallen during the week has done good, and all prospects are favourable.
	9 Moorsshedabad, " 7 "	5.61	Weather—Cloudy and rainy. 8.58 inches of rainfall reported from Moorsshedabad up to 6th instant, 1.70 inches from Jungypore up to 5th, and 1.51 inches from Rampore Hat up to 6th. Very favourable rain has fallen during the week; but in the north and west of the district, where it has been lightest, more is required for the crops. The prospects are at present good, but the price of rice is rising.
	10 Dinapore, " 6 "	.14	Weather—Great heat till 5th instant, when rain fell; .26 of an inch registered at Roygungo. <i>Bladoi</i> rice, jute, and sugarcane are all coming on very well. Cholera has nearly disappeared.
RAJSHAHY AND COCHIN BEHAR DIV.	11 Rajshahy, " 7 "	8.45	There has been very heavy rain in all parts of the district during the latter half of the week. The rain has been favourable to the autumn and winter rice crops, and there is every prospect of an abundant harvest. Lands are still being prepared for transplanting the winter rice seedlings.
	12 Rangpore, " 6 "	4.18	Weather—Hot and close, with occasional showers. No rain reported from the Gaibanda sub-division; .91 of an inch registered at Kurigram. The rain of the last two days, which was much wanted, has favoured much the transplanting of <i>osma</i> seedlings. Fever and bowel-complaint are prevalent, but not to any extent. Disease among cattle is very prevalent in the Kurigram sub-division, and a large number are stated to have died in thana Ulipore.
	13 Bogra, " 7 "	8.08	Weather—Clear and hot at the beginning of the week; rainy at the end. The prospects of all standing crops continue to be good. The rain of the week has much improved the condition of these crops. The cutting of jute and <i>tif</i> oil-seed still continues.
	14 Pubna, " 7 "	18.42	Weather—Seasonable. There was heavy rain with strong wind on the 5th and 6th instant. State and prospects of the crops are favourable.

\* Telegram of the 9th July shows rainfall during the seven days immediately preceding.

† Report of the 9th July shows rainfall during the seven days immediately preceding.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.—(Continued.)</b>			
<i>Central Districts.</i>			
RAJSHAHY AND COOCH BEHAR DIV.	15 Darjeeling, July 6 '77	2.88	The rainfall during the week has been less than is usual at this time of the year, which may be due to the rains having set in very early. <i>Bhadai dhan</i> looking very well. <i>Haimanti dhan</i> is being transplanted and is doing well. Buck wheat is being gathered in with good results. Indian corn and the various millets are ripening and will yield an abundant crop.
	16 Julpigoree, " 7 "	2.74	Weather—Seasonable. The air contains more moisture, and the days on which rain does not fall are steamy. The reports from all thanas show that rain is wanted for transplanting <i>Haimanti</i> rice. The <i>Bhadai</i> and jute crops are promising in all thanas, but in Fallacotta the prospects of the <i>Bhadai</i> crops are less favourable than last week.
	Cooch Behar, " 5 "	3.48	Weather—Very hot, but occasional cool breezes prevailed. Rainfall is still very insufficient. During the week 3.46 inches registered at Makligunge, 2.96 inches at Mathabhanga, and 1.04 at Dinbatta. The prospects of <i>aman dhan</i> are not improving, but seasonable rain will yet be in time to give a fair crop. <i>Bitti dhan</i> sown early is very good, but the late sowings, which are not yet quite ripe, are badly in want of rain to swell the grain. Public health is good.
<i>Eastern Districts.</i>			
DACCA DIV.	17 Dacca, July 9 '77	3.55	Weather—Seasonable. State and prospects of the crops are favourable. But prices are rising owing to exportation.
	18 Farreedpore " 7 "	17.05	Weather—Very hot in the first part of the week; latterly there was very heavy rain, attended with a high wind from the west. The rainfall at Gosalunda has been 9.69 inches, but at Madaripore only 1.88 inches. The prospects of the crops are generally good. Fever is prevalent in part of the Madaripore sub-division.
	19 Backergunge, " 5 "	2.83	Weather—Generally hot, but rain has now re-commenced. The <i>aman</i> crop will probably be good. The sowing of the <i>aman</i> crop is going on everywhere.
	20 Mymensingh, " 6 "	1.66	Weather—Seasonable. State and prospects of the crops are good.
	21 Tipperah, " 6 "	1.08	Weather—Seasonable. 1.18 inches of rain registered at Brahmunbaria. The state of both autumn and winter crops is good, and the prospects are favourable.
CHITTAGONG DIV.	22 Chittagong, " 5 "	2.10	Weather—Rainy with strong wind at intervals. The rainfall has not been sufficient in some places. The prospects of <i>aman</i> crops are good. Lands are being cultivated for <i>aman</i> crops, and in places seed is being sown broadcast. Cholera is reported from the southernmost part of the district.
	23 Noakhally " 5 "	2.31	Weather—Hot and close during the week. The prospects of <i>aman</i> rice are fair, and the soil is being got ready for transplanting <i>aman</i> seedlings. Fever is still prevalent.
	24 Chittagong Hill Tracts, " 3 "	.68	There have been occasional falls of rain during the week, but much more is wanted. The prospects of the <i>joom</i> paddy crop are good. The plough cultivators have begun to plough their lands.
	Hill Tipperah, " 4 "	1.44	The rainfall of the week has been insufficient. The transplantation of <i>aman</i> seedlings is going on.
<b>BEHAR.</b>			
PATNA DIV.	25 Patna, July 9 '77	1.48	Weather—Hot and close. Rain is much wanted for all crops. Health is generally good.
	26 Gya, " 7 "	2.45	Weather—Still very hot, the maximum reading of the thermometer in the shade being 100.6°. 5.65 inches of rain registered at Nowada, 1.72 inches at Aurangabad, and 1.88 inches at Jehanabad. Ploughing and sowing for the <i>khareef</i> and <i>Bhadai</i> crops are going on, but more rain is much required in parts of the district. The rising crops of <i>warra</i> and <i>wakei</i> especially want rain.
	27 Shahabad, " 7 "	3.72	Weather—Cloudy and hot. There was heavy rain on the 1st, 2nd, and 3rd instant; since then west wind and scorching sun had mainly prevailed. Great want of rain still exists in the district.
	28 Durbhanga, " 7 "	2.21	Weather—Hot and sultry. The monsoon broke during the week. The rainfall varied from two to four inches in the south and east, but in the midland tract it has been less. Generally the rainfall has been insufficient and partial; but it has revived the growing crops and the <i>dhan</i> nurseries, and has greatly benefited indigo. Cholera has diminished in the interior, but in the town of Durbhanga it is still prevalent.

\* Telegrams of the 9th July show rainfall during the seven days immediately preceding.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued.)</b>			
PATNA DIV.	29 Mozufferpore, July 7 '77	·8*	Weather—Intensely hot. In the Mozufferpore sub-division rain is greatly wanted, and the growth of <i>bhadoi</i> crops and the transplantation of rice seedlings are much retarded. In the Hajepore sub-division 5·41 inches of rain have fallen, and the prospects of all crops are now good. In the Sestamurhee sub-division the rainfall has been 1·78 inches, but more is needed.
	30 Sarun, " 7 "	2·57	Weather—Very hot, the west winds having, strange to say, set in again since the rain at the commencement of the week. Heavy falls are reported from most parts of the district. 9·81 inches registered at Sevan. The state and prospects of the crops are on the whole good. The late rains, which appear to have been general throughout the district, have benefited the standing crops, and have enabled the cultivators to prepare the lands for the <i>bhadoi</i> sowings. The early sowings, which were suffering from drought, have now recovered and are coming on well. Indigo manufacture has commenced, and satisfactory results are expected.
	31 Champaran, " 7 "	·54	Weather—East and west winds. Great heat. Heavy rain fell on the 1st and 3rd instant. It has been of greatest benefit in enabling the cultivators to push on the <i>bhadoi</i> sowings. Much more rain is required. Cholera still continues very prevalent.
BHAGULPORE DIV.	32 Monghyr, " 7 "	1·44	Weather—Alternately rainy and hot. 5·46 inches of rain registered at Begu Sarai, and 2·11 inches at Janui. Rain has done much good, but more is wanted. This, however, may be hourly expected.
	33 Bhagulpoore, " 9†	3·31	Weather—Much cooler, with cloudy skies. Rain* has been capricious. It was short at Naradigur and Banka, while the fall at Scopole was double that at head-quarters. The prospects of the crops vary accordingly, but the condition of the <i>bhadoi</i> crops is generally very fair. Rice is being transplanted. Health of the district is good.
	34 Purneah, " 7 "	2·63	Weather—Hot and cloudy. Slight rain has fallen one or two days all over the district, except Bulrampore. 1·45 inches registered at Arrareah, and '67 of an inch at Kissengunge. The prospects of the <i>bhadoi</i> crops are fair, but more rain is urgently needed.
	35 Maldah, " 7 "	5·55	Weather—Now reasonable. The <i>dhan</i> crop has been damaged to some extent by want of rain.
	36 Sonthal Pergha. ...	.....	Return not received.
<b>ORISSA.</b>			
ORISSA DIV.	37 Cuttack, July 7 '77	·80	Weather Cloudy with slight rain in the first portion of the week. Parts of the Kondrapara sub-division were flooded, but no damage is reported, and the river has since fallen. The weeding of <i>beali</i> rice is going on. <i>Sarad</i> rice is progressing favourably and the transplantation has commenced. The price of rice is very high. Public health is good.
	38 Pooree, " 5 "	2·11	Weather—Cloudy and rainy. A breach in the embankment on the Bhargool near Chandanpore has caused damage to the <i>sarad</i> rice plants in about forty villages. This crop in many other places is thriving. The state of other crops, viz. sugarcane, <i>mandia</i> (a small cereal), and jute is fair. The rains and the consequent flood have spoilt the harvesting of cotton and the late <i>dalsa</i> crop. In many places these crops have been drowned. The attention of the Irrigation-Department has been called to the state of the embankment. Cholera is very prevalent.
	39 Balasore, " 6 "	2·02	Weather—Very hot and occasionally cloudy. The sowing of paddy is almost finished and the young plants are promising.
<b>CHOTA NAGPORE.</b>			
South-West Frontier Agency.			
	40 Hazareebagh, July 6 '77	1·20	Weather—Cloudy in the early part of the week, clear in the middle, and now cloudy again. The winter rice seedlings are healthy, and more rain is wanted for the preparation of lands for their transplantation. The broadcast <i>dhan</i> already sown also requires more rain.
	41 Lohardugga, " 7 "	1·17	Weather—Seasonable. 1·65 inches of rain registered at Palamow up to 2nd instant. In the head-quarters sub-division paddy (broadcast sowings), <i>guandli</i> , <i>murewa</i> , <i>uhai</i> , and <i>mahai</i> are well forward, and the prospects are good. In Palamow the late commencement of the rains makes all agricultural operations backward. There have been several deaths from small-pox in the Palamow sub-division; otherwise the public health is good.
	42 Singhbhoom, " 6 "	2·64	Weather—Seasonable. State and prospects of the crops are most favourable. The district is healthy.
	43 Manbhoom, " 7 "	·03	There has been little or no rain during the week. The crops are doing well, but rain is wanted for the transplantation of rice seedlings.

\* ·89 of an inch of rain since reported.

† Telegram of the 9th July shows rainfall during the seven days immediately preceding.

Published for general information.

PRICES-CURRENT of Food-grains and Salt in the undermentioned

QUANTITIES PER RUPEE

DISTRICTS.	QUANTITIES PER RUPEE.																							
	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— GUMBOO, BASRA.			GRASS MILLET— CHOLU, JOWAR.			LESSER MILLET— KAGI OR MUG AND CHENNA.					
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.			
BENGAL.																								
Western Districts.																								
Burdwan	14 8	14 8	18 0	20 0	27 0	20 0	15 8	15 12	21 8	16 4	18 6	22 8	...	...	...	...	...	...	...	...	...			
Bankura	16 12	16 0	20 0	22 0	28 0	26 0	20 0	20 0	18 4	22 0	24 0	21 8	...	...	...	...	...	...	...	...	...			
Beerbhoom	17 8	20 0	20 0	...	...	...	18 8	18 0	21 0	21 0	22 0	24 0	...	...	...	...	...	...	...	...	...			
Midnapore	14 0	14 0	20 0	...	...	...	20 0	17 0	22 0	21 0	19 0	26 0	...	...	...	...	...	...	...	...	...			
Hooghly.*	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...			
Howrah	13 4	13 4	18 0	...	...	...	12 0	12 8	16 0	18 0	18 0	20 8	...	...	...	...	...	...	...	...	...			
Central Districts.																								
Calcutta	13 0	13 0	18 0	20 0	26 0	20 0	9 0	9 0	9 8	13 0	14 0	16 0	...	...	...	20 0	20 0	24 0	...	...	...			
24-Pergunnahs	...	...	...	...	...	...	8 0	8 0	8 4	12 4	12 12	11 0	...	...	...	...	...	...	...	...	...			
Nudda	13 12	14 1	20 0	25 8	40 0	35 8	18 8	18 8	18 8	18 12	14 8	20 0	...	...	...	...	...	...	...	...	...			
Jessore	13 4	13 0	21 4	...	...	...	12 12	13 0	16 0	17 8	18 0	21 4	...	...	...	...	...	...	...	...	...			
Moorshedabad	17 0	17 0	24 0	35 0 to 37 8	40 0	35 0	13 8	14 0	15 0 to 18 0	18 0	16 0 to 17 0	21 8	...	...	...	...	...	...	...	...	...			
Dinapore	26 6	16 12	15 0	28 0	38 8	16 0	22 12	20 8	18 0	24 0	25 8	20 0	...	...	...	...	...	...	...	...	...			
Rajshahye	15 0 to 16 8	15 0 to 18 0	21 0 to 24 6	37 8	37 8	40 0	15 0 to 18 8	15 0 to 16 0	18 12 to 20 0	17 4 to 18 12	17 4 to 24 0	21 0	...	...	...	...	...	...	...	...	...			
Rungpore	14 9	13 6	19 2	...	...	...	14 9	13 8	13 8	17 2	16 12	20 4	...	...	...	...	...	...	...	...	...			
Bogra	16 8	15 0	20 4	...	...	...	16 8	16 8	17 8	22 8	24 12	25 0	...	...	...	...	...	...	...	...	...			
Pubna	13 0	13 0	20 0	...	...	...	12 0	12 0	12 0	18 12	20 0	22 8	...	...	...	...	...	...	...	...	...			
Darjeeling	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	12 0	12 0	10 0	...	...	...	...	...	...	...	...	...			
Jalpigore	9 8	11 6	11 6	...	...	...	13 2	13 2	10 0	17 7	17 8	16 0	...	...	...	...	...	...	...	...	...			
Eastern Districts.																								
Dacca	12 4	13 8	16 8	40 0	40 0	40 0	15 0	16 0	16 8	20 0	18 0	20 0	...	...	...	...	...	...	...	...	...			
Farrukpore	21 0	21 0	24 0	30 0	35 0	40 0	7 0	7 0	10 0	19 0	16 0	20 0	...	...	...	...	...	...	...	...	...			
Baquerung	...	...	...	...	...	...	12 0	12 0	18 0	14 0	15 0	22 0	...	...	...	...	...	...	...	...	...			
Mymensingh	11 8	11 8	16 0	...	...	...	18 0	18 0	18 0	21 0	21 0	20 0	...	...	...	...	...	...	...	...	...			

- \* Return not received.
- A In the interior the prices are as follow:—Wheat 15 to 19-8 seers, barley 25 to 28 seers, best rice 13-8 to 19 seers, common rice 15 to 20 seers, and gram 20 seers.
- B In the interior the prices range as follow:—Wheat 15 to 18 seers, barley 20 to 25 seers, best rice 17-8 to 24 seers, common rice 22 to 25 seers, maize 24 to 35 seers.
- C In the interior the prices range as follow:—Wheat 17-8 to 21-12 seers, best rice 17-4 to 22-8 seers, common rice 18 to 23-12 seers, and gram 21 to 30 seers.
- D In the interior the prices range as follow:—Wheat 12 to 14-4 seers, barley 22-8 to 39 seers, best rice 6-12 to 7-8 seers, common rice 12-8 to 17 seers, and gram 15 to 16 seers.
- E In the interior the prices are as follow:—Wheat 8 to 14 seers, best rice 18 to 16 seers, common rice 16 to 30 seers, and gram 14-8 to 20 seers.
- F In the interior the prices range as follow:—Wheat 16 to 22 seers, barley 35 to 40 seers, best rice 16 to 18 seers, common rice 16 to 22 seers, and gram 22-8 to 30 seers.

## Districts of Bengal for the Fortnight ending 30th June 1877.

SHEER OF 80 TOLAH.

AVERAGE WAGES PER MONTH.

GRAIN OR INDIAN CORN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			DISTRICT.	
Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.		
BENGAL.																						
Western Districts.																						
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	
...	...	...	16 0	19 0	25 8	120 0	120 0	180 0	9 0	9 0	9 0	8 8	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Burdwan.
0 38 0	35 0	17 0	30 0	31 0	400 0	400 0	480 0	8 8	8 8	8 12	2 12	3 0	3 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	Bankura.
...	...	24 0	24 0	24 0	200 0	200 0	200 0	8 4	8 4	8 4	4 11	4 0	4 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Barbhoom.
...	...	14 0	14 0	18 0	200 0	200 0	180 0	9 0	8 12	9 8	4 0	5 0	4 24	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Midnapore.
...	...	16 0	16 0	22 8	120 0	120 0	120 0	10 0	10 0	9 0	7 0	8 0	7 0	7 0	7 0	7 0	7 0	7 0	7 0	7 0	7 0	Hooghly.
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Howrah.
Central Districts.																						
0 37 0	34 0	18 0	18 8	23 0	100 0	100 0	120 0	8 0	8 0	8 0	11 6	11 6	9 8	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Calcutta.
...	...	17 12	18 6	18 6	90 0	90 0	120 0	9 0	9 0	9 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	24-Pargannah.
...	...	21 5	21 5	22 0	140 0	140 0	120 0	9 6	9 6	9 24	...	...	...	...	...	...	...	...	...	...	...	Nadua.
...	...	30 0	30 0	30 0	120 0	120 0	120 0	8 0	8 0	8 0	7 8	7 8	7 8	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Jessore.
...	...	23 0	24 0	24 0	180 0	180 0	180 0	7 0	7 0	8 0	8 12	12 12	8 12	4 0	4 0	4 0	4 0	4 0	4 0	4 0	4 0	Moorshedabad.
...	...	16 12	20 6	22 8	200 0	200 0	180 0	8 4	8 8	8 4	4 11	4 11	4 11	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Dinapore.
...	...	26 4	26 4	28 12	200 0	200 0	220 0	9 0	9 0	7 12	4 0	4 0	4 5	4 8	4 8	4 8	4 8	4 8	4 8	4 8	4 8	Rajshabya.
...	...	11 6	11 6	18 0	107 0	107 0	107 0	10 12	7 8	7 8	...	...	...	...	...	...	...	...	...	...	...	Rangpora.
...	...	18 12	19 0	24 0	67 8	67 8	67 8	8 4	8 4	8 4	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Bogra.
...	...	22 8	22 8	20 0	200 0	200 0	200 0	9 0	9 0	8 8	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Pabna.
0 30 0	13 0	8 0	10 0	8 0	120 0	120 0	200 0	5 0	5 0	4 0	...	...	...	...	...	...	...	...	...	...	...	Darjeeling.
...	...	12 2	10 6	17 7	156 6	118 6	120 0	7 2	7 2	6 6	5 8	5 0	5 8	6 0	6 0	6 0	6 0	6 0	6 0	6 0	6 0	Julpigore.
Eastern Districts.																						
...	...	22 10	17 10	10 0	100 0	100 0	100 0	9 0	9 0	8 12	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	5 0	Duara.
...	...	18 0	18 0	20 0	...	...	...	9 0	9 0	8 0	...	...	...	...	...	...	...	...	...	...	...	Farroodpore.
...	...	16 0	16 0	21 0	100 0	100 0	100 0	8 8	8 8	8 8	7 8	7 8	7 8	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Backergunge.
...	...	14 0	14 0	18 8	...	...	...	8 12	8 12	8 8	6 0	7 8	7 8	8 0	8 0	8 0	8 0	8 0	8 0	8 0	8 0	Mymensingh.

† Pay of able-bodied laborer who carries loads in the bazar is Rs. 6-8.

G In the Roygunge sub-division the prices are as follow:—Wheat 16 seers, best rice 22 seers, common rice 25 seers, and gram 22-8 seers.

H In the interior the prices range as follow:—Wheat 18 to 20 seers, best rice 15 to 16 seers, common rice 18 to 20 seers, and gram 22-8 seers.

I In the interior the prices range as follow:—Wheat 16 seers, best rice 12 seers, common rice 21 seers, and gram 23 seers.

J In the interior the prices range as follow:—Wheat 6 to 8 seers, best rice 6 to 12 seers, common rice 11 to 20 seers, lesser millets 11 to 18 seers, Indian corn 16 to 20 seers, and gram 13 to 16 seers.

K In the interior the prices range as follow:—Wheat 9 to 22 seers, best rice 10 to 13-8 seers, common rice 12 to 18 seers, and gram 8 to 16 seers.

L In the interior the prices range as follow:—Best rice 16 to 18 seers, and common rice 19 to 20 seers.

M In the interior the prices range as follow:—Best rice 12 to 14 seers, common rice 17 to 19 seers, and gram 16 to 22 seers.

N In the interior the prices range as follow:—Best rice 13-3 to 14 seers, common rice 13-3 to 16 seers, paddy 25 to 30 seers, and gram 12 seers.

O In the interior the prices range as follow:—Wheat 12 to 18 seers, best rice 10-8 to 21-8 seers, common rice 20 to 24 seers, and gram 12 to 17 seers.

## PRICES-CURRENT of Food-grains and Salt in the undermentioned

DISTRICTS.	QUANTITIES PER RUPEE																							
	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULURH MILLET— CUMBOO, BAJRA.			GRASS MILLET— CHOLU, JOWAR.			LESSER MILLET— RAGI OR MURWA AND CHENNA.					
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
Barn Districts—(Contd.)																								
Chittagong	8 0	10 0	13 0	...	...	...	7 0	7 0	12 0	12 0	10 0	14 0	...	...	...	...	...	...	...	...	...	...	...	...
Noakholly	...	...	...	...	...	...	10 0	10 0	11 0	14 0	16 0	16 0	...	...	...	...	...	...	...	...	...	...	...	...
Tippurah	11 8	10 0	14 0	...	...	...	13 0	12 0	12 0	17 0	16 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
Chittagong Hill Tracts.	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Hill Tippurah	10 6	10 0	9 8	...	...	...	15 0	16 0	14 0	20 0	22 0	24 0	...	...	...	...	...	...	...	...	...	...	...	...
BEHAR.																								
Patna	20 0	25 0	24 0	35 0	33 0	36 0	14 0	14 0	13 0	18 0	19 0	20 0	...	...	...	27 0	26 0	21 0	...	...	...	...	...	...
Gya	24 0	24 8	21 0	32 0	37 0	37 0	13 0	13 0	10 8	21 0	20 0	20 0	...	...	...	...	...	...	...	...	...	...	...	...
Shakabad	21 0	23 0	20 0	30 0	33 0	...	16 0	15 0	...	17 8	18 0	...	...	...	...	...	...	...	33 0	33 0	...	...	...	...
Darbhanga	20 0	19 8	17 12	38 8	30 12	38 0	13 8	13 8	15 4	15 4	15 4	17 0	...	...	...	...	...	...	36 4	26 4	27	...	...	...
Muzaffarpore	19 0	20 0	20 0	35 0	30 0	30 0	10 0	11 0	12 0	14 0	15 0	15 0	...	...	...	...	...	...	...	...	...	...	...	...
Barun	17 0	17 0	22 0	39 0	33 0	33 0	10 0	10 12	9 12	18 0	18 8	19 0	...	...	...	31 0	32 0	...	30 0	30 0	36	...	...	...
Chumpanun	19 0	20 0	22 0	36 0	36 0	36 0	9 0	9 0	8 0	15 0	16 0	19 8	...	...	...	...	...	...	...	...	...	...	...	...
Monghyr	19 9	21 0	24 1	36 2	31 5	33 6	13 8	13 8	15 7	16 8	18 9	17 8	...	...	...	...	...	...	...	...	...	...	...	...
Bhagalpore	17 11	17 11	18 15	33 54	33 54	32 15	13 14	17 11	17 11	16 15	20 8	18 16	...	...	...	...	...	...	...	...	...	...	...	...
Purneah	20 0	25 0	24 0	...	...	...	20 0	22 0	16 0	24 0	26 0	18 0	...	...	...	...	...	...	...	...	...	...	...	...
Waldah	19 0	19 0	22 8	40 0	45 0	45 0	20 0	20 8	20 0	21 0	21 0	23 0	30 0	33 0	32 0	...	...	...	...	...	...	...	...	...
Bonthal Perga	18 0	16 0	20 0	...	...	...	17 0	18 0	20 0	20 0	23 0	21 0	...	...	...	...	...	...	...	...	...	...	...	...
ORISSA.																								
Cuttack	13 8	13 2	21 0	...	...	...	14 7	14 7	17 1	17 1	17 1	24 16	...	...	...	...	...	...	31 0	21 0	21	...	...	...
Pooree	14 7	17 1	21 0	...	...	...	11 13	11 1	21 0	15 1	16 12	27 9	...	...	...	...	...	...	...	...	...	...	...	...
Malasore	16 0	16 0	16 0	...	...	...	18 0	18 0	22 0	25 0	25 0	29 0	...	...	...	...	...	...	...	...	...	...	...	...
CHOTA NAGPORE.																								
Ch. Western Frontier Agency.																								
Lazareebagh	20 0	19 8	17 8	...	...	...	13 0	12 0	12 0	23 8	22 0	21 0	...	...	...	...	...	...	33 0	33 0	31	...	...	...
Chardugga	20 0	22 0	24 0	36 0	40 0	...	24 0	23 0	24 0	28 0	27 0	28 0	...	...	...	...	...	...	40 0	40 0	40	...	...	...
Agghoom	26 0	26 0	26 0	40 0	40 0	33 0	30 0	30 0	18 0	40 0	40 0	36 0	...	...	...	...	...	...	...	...	...	...	...	...
Agghoom	18 0	18 0	17 0	28 0	28 0	...	20 0	20 0	10 0	28 0	29 0	23 0	...	...	...	...	...	...	34 0	34 0	34	...	...	...

Return not received.

In the interior the prices range as follow:—Best rice 5 to 8 seers, and common rice 7 to 9 seers.

In the interior the prices range as follow:—Best rice 11 to 16 seers, and common rice 11 to 17-8 seers.

In the interior the prices range as follow:—Wheat 20 to 27-8 seers, barley 35 to 38-8 seers, best rice 12-8 seers, common rice 18-12 to 31 seers, and gram 26 to 30-8 seers.

In the interior the prices range as follow:—Wheat 18 to 23 seers, barley 28 to 40 seers, best rice 11 to 13 seers, common rice 18 to 19 seers, and gram 30 to 37-8 seers.

In the interior the prices range as follow:—Wheat 17 to 20 seers, barley 29 to 35 seers, best rice 11 to 15 seers, common rice 16 to 18 seers, murwa 28 to 30 seers, and gram 25 to 28 seers.

In the interior the prices range as follow:—Wheat 20 to 32-8 seers, barley 38 to 47 seers, best rice 14 to 22-12 seers, common rice 16 to 23-8 seers, lesser millets 30 to 35 seers, maize 28 to 40 seers, and gram 27 to 50 seers.

In the interior the prices range as follow:—Wheat 21 to 26-8 seers, barley 37 to 36 seers, best rice 13 to 15-8 seers, common rice 15-8 to 18 seers, lesser millets 30-35 seers, maize 25 to 41 seers, and gram 21 to 35 seers.

Prices of Bengal for the Fortnight ending 30th June 1877.—(Continued.)

PRICES OF 80 TOLAHS.												AVERAGE WAGES PER MONTH.												DISTRICT.
OR INDIAN-CORN.			RICE.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STEER OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.						
Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.				
S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	S. Ch.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.				
...	...	13 5	13 5	14 0	130 0	130 0	130 0	7 4	8 0	7 8	7 8	8 0	8 0	8 0	6 0	6 0	6 0	9 0	10 0	9 0	Chittagong.			
...	...	11 0	11 0	11 0	...	...	...	7 8	8 0	8 8	8 0	11 0	9 8	6 0	8 8	6 0	...	...	...	...	Noakholly.			
...	...	13 8	14 0	18 0	...	...	...	9 0	9 0	8 8	8 0	7 0	6 0	...	...	...	...	...	...	...	Tipperah.			
...	...	13 0	11 5	11 5	...	...	...	8 0	8 0	8 0	5 8	6 8	5 8	5 8	6 0	5 0	9 0	10 8	12 0	...	Chittagong Hill Tracts.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Hill Tipperah.			
...	...	33 0	30 0	31 0	32 0	140 0	140 0	123 0	8 0	8 0	8 0	3 0	3 0	3 0	4 0	4 0	4 0	5 10	5 10	5 10	BEHA.			
...	...	29 8	29 8	24 0	180 0	180 0	160 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	...	...	Patna.			
...	...	31 0	31 0	...	100 0	160 0	...	8 12	8 12	...	...	...	...	...	...	...	...	...	...	...	Gya.			
...	...	24 0	24 4	26 4	28 0	170 0	170 0	160 0	6 12	7 10	7 6	3 12	3 0	3 12	3 0	3 0	3 0	5 8	4 0	5 10	Shahabad.			
...	...	33 8	34 0	34 0	27 0	140 0	140 0	140 0	7 8	7 8	8 0	...	...	...	...	...	...	...	...	...	Durbhanga.			
...	...	33 0	33 0	37 8	31 0	160 0	160 0	160 0	8 0	8 0	8 0	3 8	2 8	3 8	4 0	4 0	4 0	5 0	5 0	6 0	Mosufferpore.			
...	...	33 0	33 0	37 8	31 0	160 0	160 0	160 0	8 0	8 0	8 0	3 8	2 8	3 8	4 0	4 0	4 0	5 0	5 0	6 0	Saran.			
...	...	31 5	31 5	29 4	31 5	130 0	147 0	147 0	8 4	6 9	8 4	3 0	3 0	3 0	3 0	3 0	3 0	5 10	5 10	5 10	Chumpran.			
...	...	36 8	36 0	29 0	157 8	157 8	151 8	7 9	8 12	8 3	9 13	2 12	2 12	2 12	3 8	4 0	3 8	5 10	5 10	7 8	Monghyr.			
...	...	36 0	36 0	29 0	157 8	157 8	151 8	7 9	8 12	8 3	9 13	2 12	2 12	2 12	3 8	4 0	3 8	5 10	5 10	7 8	Bhagulpore.			
...	...	36 0	36 0	29 0	157 8	157 8	151 8	7 9	8 12	8 3	9 13	2 12	2 12	2 12	3 8	4 0	3 8	5 10	5 10	7 8	Purneah.			
...	...	34 0	34 0	33 0	240 0	240 0	240 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	...	...	Maldah.			
...	...	24 0	24 0	23 0	240 0	240 0	240 0	8 0	8 0	8 0	...	...	...	...	...	...	...	...	...	...	Southal Perga.			
...	...	17 1	17 1	25 4	200 0	200 0	200 0	12 0	11 6	13 0	5 10	5 10	5 10	4 0	4 0	4 0	7 8	7 8	7 8	...	ORISSA.			
...	...	15 12	15 12	20 4	105 0	105 0	100 0	12 2	13 2	12 0	6 0	3 0	3 0	3 0	5 0	5 0	5 0	8 0	8 0	8 0	Cuttack.			
...	...	11 0	11 0	12 0	160 0	160 0	140 0	8 0	8 0	9 4	...	...	...	...	...	...	...	...	...	...	Pooree.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Balasore.			
...	...	28 0	24 0	18 0	240 0	240 0	240 0	7 0	8 0	7 4	4 0	4 0	4 0	5 0	5 0	5 0	8 0	8 0	8 0	...	CHOTA NAGPORE.			
...	...	23 0	23 0	17 0	180 0	180 0	200 0	6 12	7 0	6 0	3 0	3 8	3 0	...	...	...	...	...	...	...	South-Western Frontier Agency.			
...	...	24 0	24 0	20 0	330 0	330 0	330 0	6 0	6 0	6 0	...	...	...	...	...	...	...	...	...	...	Hazareebagh.			
...	...	20 0	20 0	19 0	160 0	200 0	240 0	8 0	8 0	7 8	3 8	3 8	3 8	5 0	5 0	5 0	7 8	7 8	7 8	...	Lehardugga.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Singbhoom.			
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Manbhoom.			

In the interior the prices range as follow:—Wheat 22 to 24 seers, barley 20 to 25 seers, best rice 18 to 29 seers, common rice 19 to 23-12 seers, murrwa 25 to 30 seers, and gram 22 to 29 seers.  
 In the interior the prices range as follow:—Wheat 18 to 25 seers, best rice 20 to 23 seers, common rice 24 to 26 seers, and gram 20 to 29 seers.  
 In the interior the prices range as follow:—Wheat 18 to 25 seers, barley 37-8 to 50 seers, best rice 17 to 24 seers, common rice 18-8 to 27 seers, bulrush millet 30 to 40 seers, maize 18 to 40 seers, and gram 25 to 40 seers.  
 In the Khoordah sub-division the prices are as follow:—Best rice 16-12 seers, common rice 18-6 seers, and gram 17-1 seers.  
 In the interior the prices range as follow:—Wheat 19 to 25 seers, barley 29 to 40 seers, best rice 19 seers, common rice 13-8 to 24 seers, lesser millets 25 to 40 seers, maize or Indian-corn 25 to 32-8 seers, and gram 21 to 35 seers.  
 In the interior the prices range as follow:—Wheat 16 to 21 seers, best rice 26 to 30 seers, common rice 29 to 34 seers, maize or Indian-corn 40 seers, and gram 20 to 32 seers.

Published for general information.

A. MACKENZIE,  
 Offg. Secy. to the Govt. of Bengal.



## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISION.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd June 1877.	Rain from 24th to 30th June 1877.	RAIN FROM 1st JANUARY 1877.	
			Inches.	Inches.	Inches.	Up to date.
BENGAL.						
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.		1877.
	Burdwan	Burdwan	0.87	2.32	10.47	30th June
		Cutwa	0.48	2.09	22.00	ditto
		Culina	1.43	3.87	18.59	ditto
		Bood-Bood	2.27	1.48	12.23	ditto
		Kameegunge	0.60	4.24	13.14	ditto
		Jehanabad	0.42	6.43	21.07	ditto
	Bankoura	Bankoura	Nil	3.73	14.93	ditto
	Boerbhoon	Socree	0.19	2.05	13.85	ditto
		Hetampore	1.39	2.77	17.03	ditto
		Roy pore	0.16	2.99	14.74	ditto
	Midnapore	Midnapore	0.25	5.03	24.14	ditto
		Turnlock	0.37	1.27	14.62	ditto
		Ghattal	0.25	3.21	20.15	ditto
		Contai { Dy. Collr.'s Office...	Nil	4.80	20.63	ditto
		Contai { Exo. Engr.'s Office	Nil	4.07	21.00	ditto
	Hooghly	Hooghly	2.41	1.15	21.40	ditto
		Seraumpore	3.16	1.23	20.40	ditto
	Howrah	Howrah	2.06	0.84	10.93	ditto
		Maheshbrikha	0.55	1.20	18.97	ditto
PRESIDENCY.	CENTRAL DISTRICTS.					
	24 Pargunnahs	Saugor Island	0.50	5.10	25.64	ditto
		Calcutta	1.19	0.80	18.25	ditto
		Alipore { Dispensary	2.18	0.67	20.15	ditto
		Alipore { Jail	2.00	1.07	21.24	ditto
		Binsarhat	2.10	3.45	23.23	ditto
		Barnett	5.08	1.78	21.19	ditto
		Diamond Harbour	4.50	1.00	31.83	ditto
		Barrapore	1.55	2.7	21.95	ditto
		Satkhira	1.66	1.86	31.34	ditto
		Barrackpore	2.75	1.62	21.11	ditto
	Nuddra	Dum-Dum	2.33	1.02	16.39	ditto
		Kishunghur	1.34	2.54	28.48	ditto
		Pongong	1.84	3.80	20.44	ditto
		Melurpore	2.04	1.62	24.65	ditto
		Choodanga	1.37	1.17	20.01	ditto
		Kooditua	1.85	2.88	26.89	ditto
		Ransghat	0.95	1.85	18.01	ditto
		Jessore	1.07	1.18	24.61	ditto
		Narnil	1.30	1.21	19.51	ditto
		Khoobua	1.69	2.51	20.67	ditto
	Jessore	Jhenida	1.07	1.78	24.34	ditto
		Bagirhat	2.02	2.30	37.68	ditto
		Mugoorah	2.63	2.51	30.77	ditto
		Berhampore	1.28	1.58	15.66	ditto
		Rampore Haut	0.85	2.30	15.27	ditto
	Moorshedabad	Lalbagh	1.01	1.53	15.86	ditto
		Jungypore	0.82	0.90	13.53	ditto
		Azingunge	Not recd.	Not recd.	12.25	16th June
		Laligolla	0.54	1.53	14.24	30th June
		Kandee	0.60	2.01	15.77	ditto
	Dinagopore	Dinagopore	1.04	1.16	23.69	ditto
		Raigunge	1.51	Nil	22.03	ditto
		Maidah	0.50	0.42	17.31	ditto
	Maidah	Chanchal	0.93	0.27	16.62	ditto
		Baulch	1.55	1.04	22.45	ditto
		Nattore	1.51	0.90	21.92	ditto
	Rajshahye	Rangpore	2.20	Not recd.	32.75	23rd June
		Bhowanigunge	0.67	ditto	18.01	ditto
		Kurigram	2.34	ditto	32.33	ditto
	Rungpore	Bazogora	Not recorded.	Not recorded.	24.08	2nd June
		Hogra	1.37	2.02	21.51	30th June
		Shorpoore	1.16	0.77	21.12	ditto
	Bogra	Nowkhilla	2.60	0.85	18.91	ditto
		Panchibibi	0.55	0.35	15.14	ditto
		Hajulya	2.22	0.80	16.67	ditto
	Pubna	Pubna	1.45	1.05	27.78	ditto
		Serajgunge	1.85	1.30	20.61	ditto
	Darjeeling	Darjeeling { Telegraph Office	2.65	5.00	30.02	ditto
		Darjeeling { Hospital	3.02	5.98	36.15	ditto
	Julpigoree	Julpigoree	10.23	1.11	38.31	ditto
		Bodah	3.90	0.39	28.34	ditto
		Bura—Civil Surgeon's Office	7.81	5.95	50.72	ditto
		Titalya	4.93	1.35	34.50	ditto
COCH BEHAR.	Cooch Behar Tributary States.	Cooch Behar	2.24	0.95	40.55	ditto

DIVISION.	DISTRICTS.	STATIONS.	Rain from 17th to 23rd June 1877.	Rain from 24th to 30th June 1877.	RAIN FROM 1ST JANUARY 1877.		REMARKS.	
					Inches.	Up to date.		
BENGAL—(Continued).								
EASTERN DISTRICTS.			Inches.	Inches.	1877.			
DACCA.	Dacca ...	Dacca... { Telegraph Office ...	6.51	Not recd.	32.93	23rd June	From 4th February.	
		... { Hospital ...	7.32	1.02	38.17	30th June		
	Moonshuggunge ...	...	3.31	0.98	61.43	ditto		
		Manickgunge ...	...	3.53	1.64	28.21		ditto
	Furzedpore ...	Furzedpore ...	...	4.93	1.63	33.07		ditto
		Goolundo ...	...	3.63	2.45	27.09		ditto
		Madaripore ...	...	2.58	4.18	38.21		ditto
	Backergunge ...	Burrisal ...	...	5.35	4.06	44.87		ditto
		Perozepore ...	...	2.25	11.75	40.69		ditto
		Patoakhali ...	...	3.24	8.09	45.48		ditto
		Bhoia ...	...	8.92	7.12	38.89		ditto
	Mymensingh ...	Mymensingh ...	...	2.47	1.54	32.66		ditto
Jamalpur ...		...	2.16	0.32	24.53	ditto		
Atia ...		...	2.10	0.70	29.46	ditto		
Kishoregunge ...		...	1.66	0.98	34.29	ditto		
CHITTAGONG.	Chittagong ...	Chittagong { Telegraph Office	7.60	3.31	35.10	ditto		
		... { Jail ...	6.29	3.05	32.11	ditto		
		Cox's Bazar ...	7.63	7.23	37.92	ditto		
	Noakhally ...	Noakhally ...	...	14.63	7.39	44.92		ditto
Fenny ...		...	6.08	5.45	46.50	ditto		
Tipperah ...	Comilla ...	...	5.48	2.03	41.56	ditto		
	Brahmanbaria ...	...	1.95	0.54	38.50	ditto		
CHITTAGONG HILL TRACTS.	Rungamates Hill	...	6.77	1.55	33.11	ditto		
	Hill Tipperah ...	Hill Tipperah ...	1.07	0.67	35.95	ditto		
BEHAR.								
PATNA.	Patna ...	Patna ...	Nil	0.21	9.21	ditto	Not recorded 18th to 24th Feb. Ditto 12th Jan. and 4th to 10th February.	
		Behar ...	Nil	0.83	14.36	ditto		
		Barh ...	Nil	0.09	12.43	ditto		
		Dinapore ...	... { Jail ...	Nil	Nil	5.71		ditto
			... { Cantonment ...	Nil	0.83	5.61		ditto
	Gya ...	Gya ...	...	0.23	0.11	15.84		ditto
		Nowadah ...	...	Nil	0.25	14.33		ditto
		Aurangabad ...	...	Nil	Nil	12.99		ditto
	Shahabad ...	Jehanabad ...	...	Nil	Nil	11.08		ditto
		Arrah ...	...	0.79	Nil	11.75		ditto
Sasaram ...		...	Nil	0.20	9.03	ditto		
Buxar ...		...	Nil	Nil	7.87	ditto		
RAJSHY.	Muzafferpore ...	Bhaboah ...	...	Nil	3.20	8.11		ditto
		Muzafferpore ...	...	Nil	Not recd.	6.88		23rd June
		Harjapora ...	...	Nil	ditto	7.35		ditto
	Durbhanga ...	Saketmurhee ...	...	1.23	ditto	9.78		ditto
		Durbhanga ...	...	Nil	Nil	9.48		30th June
		Mudhoobunee ...	...	Nil	Nil	8.13		ditto
	Tajpore ...	Tajpore ...	...	Nil	Nil	6.69		ditto
		Chupra ...	...	0.50	Nil	8.89		ditto
	Saran ...	Sewan ...	...	0.06	0.47	11.99		ditto
		Chunparau ...	Motibaree ...	...	Nil	0.12		8.96
Bettiah ...	...		Nil	0.25	14.46	ditto		
Sagowlie ...	...		Nil	1.26	13.70	ditto		
Monghyr ...	Monghyr ...	...	0.24	0.08	10.68	ditto		
	Begumserai ...	...	Nil	Nil	8.08	ditto		
	Jamsoee ...	...	Nil	0.49	12.43	ditto		
BHAGULPORE.	Bhagulpore ...	Bhagulpore ...	...	0.12	0.11	13.15		ditto
		Suopool ...	...	Nil	0.42	9.74		ditto
		Muddehpore ...	...	Nil	0.30	10.59		ditto
		Banka ...	...	0.30	0.65	11.55		ditto
		Bonbura ...	...	Nil	Nil	8.84		ditto
Purneah ...	Purneah ...	...	0.02	0.22	14.96	ditto		
	Kisacungunge ...	...	1.42	0.11	18.92	ditto		
	Arrarrah ...	...	1.20	Nil	16.88	ditto		
SOUTHAL PERGUNNAH.	Southal Pergunnah	Nya Doonka ...	...	Nil	3.30	13.99		ditto
		Rajmahal ...	...	Not recd.	1.30	16.50		ditto
		Deoghur ...	...	Nil	1.95	17.06		ditto
		Godda ...	...	0.75	0.16	9.49		ditto

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th to 29th June 1877.	Rain from 30th to 30th June 1877.	RAIN FROM 1st JANUARY 1877.		
					Inches.	Up to date.	
ORISSA.			Inches.	Inches.		1877.	
	Cuttack	Cuttack... { Telegraph Office	0.60	2.81	16.70	30th June	
		Cuttack... { Hospital	1.48	2.45	18.14	ditto	
		Jajpore	1.10	2.30	31.60	ditto	
		Kendraparah	0.80	4.70	21.30	ditto	
		Jagatsingpore	0.40	2.60	12.25	ditto	
	False Point	False Point	0.20	4.40	40.20	ditto	
		Pooree	Pooree	0.19	3.01	14.11	ditto
	Khurda	Khurda	1.04	2.87	12.27	ditto	
		Balasore	Balasore... { Exe. Engr.'s Office	0.45	10.22	22.28	ditto
	Balasore... { Collector's Office		0.28	0.10	23.23	ditto	
	Bhadrack		1.21	8.68	31.05	ditto	
	Jelhasore		Nil	3.23	23.12	ditto	
	Sorah		1.20	6.22	25.05	ditto	
	Chandbally	Nil	4.11	21.80	ditto		
	Cuttack Tributary Mehals	Sambalpore	Nil	14.68	25.06	ditto	
	CHOTA NAGPORE.						
	SOUTH-WESTERN FRONTIER AGENCY.						
	Hazareebagh	Hazareebagh...	{ Jail	1.28	3.68	16.03	ditto
			{ Dispensary	1.10	3.23	18.18	ditto
	Pachamba	Pachamba		0.28	1.86	11.91	ditto
Lohardugga			Ranchee	0.05	3.68	21.09	ditto
Palamow	Palamow		Nil	0.65	15.17	ditto	
		Singbhoom	Chysabasa	1.28	8.61	29.23	ditto
Manbhoom	Manbhoom	Purniah	0.37	6.61	23.68	ditto	
		Govindpore	Nil	8.74	13.49	ditto	
ASSAM & ADJACENT HILLS.							
Sylhet	Sylhet		2.29	8.69	68.81	ditto	
Shangar	Shangar	Sibsagar	0.36	Not recd.	35.05	23rd June	
		Golaghat	2.71	ditto	34.67	ditto	
		Jorhat	2.73	ditto	29.55	ditto	
		Deopanie	2.65	ditto	33.59	ditto	
		Hattie Pootie	1.80	ditto	33.42	ditto	
		Mazongah	1.17	ditto	27.60	ditto	
		Nazira	0.37	ditto	27.67	ditto	
		Suntock	0.42	ditto	31.24	ditto	
		Cherideo	0.28	ditto	22.29	ditto	
		Akyab	Akyab	10.01	11.80	42.61	30th June
RAJPOOTANA	RAJPOOTANA	Alwar	Not recorded.		Nil	26th May	
		Jaipur	0.21	8.60	7.42	30th June	
		Bambhar	1.20	1.57	4.69	ditto	

CALCUTTA,  
The 7th July 1877.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 1st to 7th July 1877.

STATIONS.	Date.	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. at 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July 1st	10	29.620	29.638	86.3	81.7	89	E	4.5	...	K	
		16	29.623	29.641	85.3	80.9	81	S	5.7	0.45	K	
	2nd	10	29.604	29.612	87.8	81.7	76	E by N	6.0	...	K	
		16	29.605	29.623	87.0	82.0	80	S E by S	6.5	...		
	3rd	10	29.580	29.548	86.8	81.0	81	S W by W	4.5	...		
		16	29.418	29.436	88.3	85.5	78	S	4.7	0.02		
	4th	10	29.477	29.497	83.3	81.0	80	W S W	7.8	0.32		
		16	29.428	29.443	88.8	80.7	87	W	5.0	0.11		
	5th	10	29.575	29.594	78.3	76.7	93	W	9.5	...		
		16	29.500	29.527	84.8	80.9	83	S S W	8.0	1.90		
	6th	10	29.618	29.631	87.8	83.2	84	S W	3.5	0.06		
		16	29.548	29.566	90.9	81.7	67	N W	4.7	...	CK, CS	
	7th	10	29.629	29.647	85.0	79.8	79	S	5.1	...		
		16	29.538	29.556	89.8	85.0	71	S W by S	6.8	...		
SANDWICH ISLAND.	July 1st	10	29.619	29.626	88	83	80	W S W	8.9	...	FK	
		16	29.518	29.524	88	83	80	S S W	12.4	...	FK	
	2nd	10	29.587	29.593	89	84	80	S	6.1	...	FK	
		16	29.509	29.516	89	84	80	S W	7.8	...	P	
	3rd	10	29.549	29.566	86	81	80	S W	4.8	0.30	P	
		16	29.468	29.469	87	83	80	S W	12.9	...	FK	
	4th	10	29.506	29.512	84	80	83	W	14.0	0.10	P	
		16	29.446	29.462	87	83	84	W S W	12.6	...	K	
	5th	10	29.595	29.601	80	78	91	N W	12.6	1.00	P	
		16	29.507	29.518	87	84	88	S W	6.6	...	PC	
	6th	10	29.628	29.634	90	85	81	W S W	15.9	...	PC	
		16	29.565	29.571	90	84	77	S W	14.5	...	P	
	7th	10	29.643	29.649	88	83	80	S W	14.0	0.10	PC	
		16	29.564	29.580	89	84	80	S S W	16.3	...	PC	
CHITTAGONG.	July 1st	10	29.605	29.606	90	81	86	S	4.2	...	PK	
		16	29.464	29.545	88	81	73	E	5.9	...	K	
	2nd	10	29.462	29.564	87	80	72	E	6.3	0.10	C, K	
		16	29.377	29.470	82	79	87	S S E	6.2	0.80	N	
	3rd	10	29.502	29.596	80	78	91	W	10.2	2.10	N	
		16	29.630	29.729	79	75	89	S	11.3	3.30	PK	
	4th	10	29.633	29.726	86	81	80	S S E	8.2	...	PK	
		16	29.633	29.726	86	81	80	S S E	8.2	...	PK	
	June 30th	10	29.830	29.853	89	74	40	W N W	14	...		
		16	29.705	29.727	89	78	59	E by S	8	...		
	July 1st	10	29.807	29.829	93	75	40	W by S	13	0.01		
		16	29.673	29.694	100	78	34	W N W	13	...		
	2nd	10	29.799	29.821	93	74	38	W by N	16	...		
		16	29.668	29.718	100	77	32	W	11	...		
	3rd	10	29.797	29.819	92	75	43	W N W	17	...		
		16	29.684	29.708	95	78	44	N E	7	...		
MADRAS.	4th	10	29.778	29.798	93	73	35	W N W	16	...		
		16	29.688	29.710	93	79	53	E by N	11	...		
	5th	10	29.811	29.833	94	75	38	W by N	13	...		
		16	29.729	29.744	90	79	62	E S E	13	...		
	6th	10	29.833	29.855	94	75	38	W N W	11	...		
		16	29.743	29.765	90	79	63	S E	12	...		
COYBAT.	July 1st	10	29.559	29.641	86	80	79	W S W	2.5	0.10	K, PK, C	
		16	29.547	29.629	87	80	73	W	5.6	...	K, PK, C	
	2nd	10	29.513	29.605	83	79	63	S W	3.5	0.40	PK	
		16	29.515	29.597	83	79	79	W	4.7	...	PC, C	
	3rd	10	29.579	29.661	86	80	76	W S W	4.1	...	PC	
		16	29.591	29.672	91	82	67	W S W	2.3	...	C, CK, PC	
	4th	10	29.594	29.676	88	80	69	W	3.1	...	C, CK, PK	
		16	29.594	29.676	88	80	69	W	3.1	...	C, CK, PK	
AKYAB.	July 1st	10	29.669	29.690	87	82	80	S W	1.0	...	CK, N	
		16	29.655	29.677	84	81	87	S E	1.6	...	CK, N	
	2nd	10	29.554	29.576	79	78	95	S	3.3	3.40	N	
		16	29.554	29.655	85	81	83	S S W	1.8	0.40	CK, N	
	3rd	10	29.640	29.681	85	83	91	S W	4.7	2.10	CK, N	
		16	29.661	29.683	76	75	85	N N E	3.3	3.50	N	
	4th	10	29.661	29.683	76	75	85	N N E	3.3	3.50	N	
		16	29.710	29.732	81	80	96	E N E	2.7	0.10	N	
	5th	10	29.661	29.683	76	75	85	N N E	3.3	3.50	N	
		16	29.710	29.732	81	80	96	E N E	2.7	0.10	N	
	6th	10	29.661	29.683	76	75	85	N N E	3.3	3.50	N	
		16	29.710	29.732	81	80	96	E N E	2.7	0.10	N	
	7th	10	29.661	29.683	76	75	85	N N E	3.3	3.50	N	
		16	29.710	29.732	81	80	96	E N E	2.7	0.10	N	

\* Velocity of wind in miles per hour.

CALCUTTA.  
The 7th July 1877.JOHN ELIOT, M.A.,  
Meteorological Reporter to the  
Government of Bengal.

# Results of the Meteorological Observations taken at the Alipore Observatory from 1st to 7th July 1877.

Month.	Date.	Maximum in sun.	Mean pressure; barometer at 33° F.	TEMPERATURE.				HYGROMETRY.				WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.	Miles recorded.		
1877.			Inches.	°	°	°	°	°	Inch.	°				Inch.	
July	1st	158.3	29.586	82.2	91.0	11.0	80.0	80.4	1.011	79.6	91	Chiefly south	100	1.15	Partially cloudy, & at 8.40 A.M.; rain from 9 A.M. to 9.30 A.M., & at 7.15 P.M. & o.
"	2nd	154.0	29.584	86.3	91.1	11.1	80.0	80.7	1.018	79.7	89	Till 3 P.M. E.N.E. through E., till midnight S.S. W. through S.E.	125	0.02	Chiefly cloudy, & & rain at 7.40 P.M. & o.
"	3rd	157.0	29.599	88.0	91.8	13.9	77.9	80.7	1.019	79.8	90	Till 1 P.M. W.S. W. through S. W., till midnight veered to N.W. by W. through W.	135	0.02	Cloudy, & at 1.55 P.M., rain at 4.35 P.M. & o.
"	4th	155.8	29.593	81.6	88.9	7.7	80.6	80.2	1.012	79.6	93	Till 3 P.M. W.N. W., till midnight veered to S.W. round W.	131	0.57	Cloudy, & at intervals throughout the whole day, rain at 7 A.M., & at 10 P.M. o & g.
"	5th	116.6	29.546	79.8	88.1	10.0	78.1	78.8	0.973	78.4	93	Till 10 A.M. W., till 8 P.M. S.S. W. through W., till midnight veered through W. & N. to N.E. by E.	176	1.78	Cloudy, rain at intervals from 6 A.M. to 3½ P.M., & at 9.30 P.M. o & g.
"	6th	156.5	29.585	84.8	91.6	13.4	79.3	80.7	0.995	79.1	83	Till 5 P.M. N.W. through N., till midnight S.S. W. through W.	133	Nil	Cloudy till 5 P.M., night clear.
"	7th	149.0	29.608	81.8	89.2	13.8	78.4	78.8	0.946	77.6	87	Till 7½ P.M. N. through S.W. & N.W., till 11½ P.M. S. through W., till midnight S.W.	120	0.71	Cloudy, & & rain at 8 P.M., & at 8½ P.M. o & g.

The mean pressure of the seven days

The average pressure of the corresponding period for 20 years

Inch.

29.554

29.549

The mean temperature of the seven days

The average temperature of the corresponding period for 20 years

The extreme variation of temperature during the seven days

The maximum temperature during the seven days

°

82.4

83.6

17.1

92.2

The mean humidity during the seven days

The average humidity of the corresponding period for 24 years

Per cent.

89

85

The total fall of rain from 1st to 7th July 1877

The average fall of the corresponding period for 24 years

The total fall from 1st January to 7th July 1877

The average fall of the corresponding period for 24 years

Inch.

4.23

3.11

22.60

24.71

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of a Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

t thunder, l lighting, & drizzling, o overcast, g gloomy, R thunderstorm.

H. F. BLANFORD, Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA, the 9th July 1877.

**Abstract of the Results of the Meteorological Observations taken at the Alipore Observatory in the month of June 1877.**

	Inches.	Date.	Hour.
The mean pressure of the month ... ..	29.598		
The average pressure of 24 years ... ..	29.549		
The highest pressure during the month ... ..	29.788	5th	10h.
The lowest pressure during the month ... ..	29.276	25th	16h.
The range of pressure during the month ... ..	0.512		

The mean temperature of the month ... ..	82.6		
The average temperature of 24 years ... ..	85.0		
The highest temperature during the month ... ..	97.2	21st	16h.
The lowest temperature during the month ... ..	74.5	1st	6h.
The range of temperature during the month ... ..	22.7		
The mean daily range of temperature during the month ... ..	18.8		
The greatest range of temperature in one day during the month ... ..	20.9	21st	

The mean humidity during the month ... ..	86		
The mean vapour tension during the month ... ..	0.968		
The average humidity of 24 years ... ..	81		
The average vapour tension of 10 years ... ..	0.994		
The mean cloud proportion of the month ... ..	5.63		

The total rainfall of the month ... ..	4.70		
The average fall of 24 years ... ..	11.89		
The greatest fall in 24 hours ... ..	1.27	3rd	
The number of rainy days in the month ... ..	15		
The average number of rainy days of 24 years ... ..	19		

The mean maximum equilibrium temperature of Solar radiation of the month ... ..	146.6		
The mean difference of sun and air temperatures ... ..	54.6		
The greatest sun temperature ... ..	162.7	19th	
The greatest excess of sun over air temperature ... ..	68.5	19th	
The mean temperature of nocturnal radiation thermometer on woollen cloth ... ..	76.1		
The mean depression of nocturnal radiation thermometer below the minimum of air ... ..	2.4		
The greatest depression of nocturnal radiation thermometer below the minimum of air ... ..	4.8	2nd	

The mean velocity of the wind per day ... ..	183.8		
The greatest velocity of the wind ... ..	216.0	9th	
The number of observations under each of the 8 points N5, NE4, E2, SE27, S57, SW20, W1, NW4, calm 0.			

HENRY F. BLANFORD, *Meteorological Reporter to the Government of India.*

METEOROLOGICAL OFFICE, INDIA, the 9th July 1877.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—JUBBULPORE LINE.

Approximate Return of Traffic for week ended 30th June 1877, on 223½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES.	
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.					Coach- ing.	Merch- and- min.
		Rs. A. P.	£ s. d.	Mds. Br.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	5,907	12,675 0 0	1,181 19 4	1,94,655 39	41,572 3 0	3,799 9 0	54,048 3 0	4,651	19,681		
Or per mile of railway ...	.....	56 10 5	5 8 10	.....	184 14 6	16 19 0	241 8 11	.....	.....		
For previous 24½ weeks of half-year ...	177,393½	5,92,553 6 3	54,517 8 1	61,85,149 10	15,57,549 0 8	142,775 6 7	21,50,102 8 6	122,961½	378,428½		
Total for 25½ weeks ...	183,300½	6,05,329 6 8	55,479 7 5	63,29,805 0	15,98,931 3 3	146,567 15 7	22,04,180 11 6	127,512½	386,919½		
COMPARISON.											
Total for corresponding six days of previous year ...	4,051	9,680 12 1	987 8 0	71,153 0	18,808 5 8	1,724 2 0	23,489 1 9	3,650	3,686½		
Per mile of railway, corre- sponding week of previous year ...	.....	43 4 3	3 19 4	.....	84 1 0	7 14 1	127 5 3	.....	.....		
Total to corresponding date of previous year ...	156,089½	4,65,643 13 6	42,684 0 4	27,04,421 0	6,32,705 15 9	57,996 4 0	10,08,549 13 3	120,554½	180,088½		

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 30th June 1877, on 1,279½ miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES.	
	No. of passen- gers.	Coaching receipts.		Weight carried.	Receipts.					Coach- ing.	Merch- and- min.
		Rs. A. P.	£ s. d.	Mds. Br.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	159,139	1,65,600 13 6	15,180 1 7	13,22,629 0	6,29,776 3 3	57,454 9 7	7,92,376 15 11	44,945½	111,290½		
Or per mile of railway ...	.....	129 6 5	11 17 8	.....	499 12 8	44 17 11	619 3 8	.....	.....		
For previous 24½ weeks of half-year ...	3,430,087½	48,58,560 14 6	445,268 1 6	3,81,50,868 10	1,42,40,699 15 8	1,306,218 10 5	1,91,60,220 12 3	1,161,924½	2,455,632½		
Total for 25½ weeks ...	3,590,226½	52,24,161 12 3	460,048 8 8	3,48,80,497 10	1,48,76,435 15 11	1,363,873 6 0	1,99,00,597 12 1	1,260,879½	2,760,911½		
COMPARISON.											
Total for corresponding six days of previous year ...	161,943	1,10,802 3 8	10,186 0 7	7,56,636 10	3,36,404 7 1	29,320 8 2	4,27,206 9 9	30,318½	66,300½		
Per mile of railway, corre- sponding week of previous year ...	.....	86 10 7	7 18 11	.....	265 0 10	23 7 7	341 12 5	.....	.....		
Total to corresponding date of previous year ...	3,313,045	48,56,796 8 3	467,566 6 11	3,67,69,241 10	1,18,75,480 11 8	1,042,750 11 4	1,68,62,297 8 6	1,171,561	2,319,500½		

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

Approximate Return of Traffic for week ended 30th June 1877, on 28 miles open.

	COACHING TRAFFIC.				MERCHANDISE AND MINERAL TRAFFIC.				TOTAL TRAFFIC RECEIPTS.	TRAIN MILES.	
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.					Coach- ing.	Merch- and- min.
		Rs. A. P.	£ s. d.	Mds. Br.	Rs. A. P.	£ s. d.	Rs. A. P.				
Total traffic for the week ...	10,194	1,307 0 0	130 14 0	15,701 0	518 0 0	51 16 0					
Or per mile of railway ...	368	54 0 0	5 8 8	501 0	18 0 0	1 17 0					
For previous 25 weeks of half-year ...	861,706	26,109 0 0	2,610 18 0	4,57,841 0	15,528 0 0	1,539 12 0					
Total for 26 weeks ...	871,900	26,916 0 0	2,661 12 0	4,72,943 0	16,044 0 0	1,604 8 0					
COMPARISON.											
Total for corresponding week of previous year ...	33,333½	3,308 6 9	360 0 10	7,334 20	238 4 3	23 12 6					
Per mile of railway, corresponding week of previous year ...	1,209	125 9 8	12 10 0	261 24	8 7 0	0 16 11					
Total to corresponding date of previous year ...	273,250½	26,464 5 9	2,646 3 8	4,41,187 0	14,718 4 8	1,471 12 6					



## EASTERN BENGAL RAILWAY.

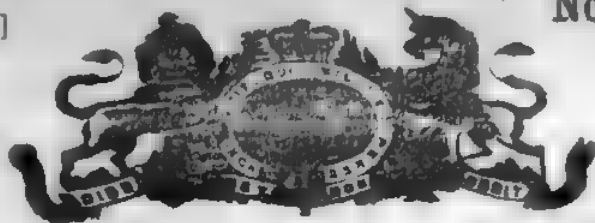
*Approximate Return of Traffic for week ended 30th June 1877, on 158½ miles open.*

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total Receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. Sr.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	50,363½	38,020 0 9	2,866 10 1	2,55,254 3	40,945 0 7	3,745 0 10	6,319 10 11
per mile of railway ... ..	318	177 1 8	16 4 7	1,613 30	258 2 8	33 13 4	32 17 11
for previous 26 weeks of half-year ...	933,198	6,31,909 8 3	87,925 1 0	49,52,132 4	10,37,299 0 3	94,169 1 5	182,094 3 5
Total for 26 weeks ...	933,470½	6,50,889 9 0	88,483 11 1	52,37,375 7	10,68,154 0 10	97,914 2 3	186,407 13 4
COMPARISON.							
Total for corresponding week of previous year ... ..	36,316	17,355 4 9	1,583 0 3	1,82,804 34	40,232 1 10	3,687 6 8	5,280 0 9
per mile of railway, corresponding week of previous year ... ..	160	109 0 11	9 19 11	1,155 7	354 2 8	23 6 0	33 5 11
Total to corresponding date of previous year ... ..	967,554	6,40,248 10 0	88,689 9 0	49,40,347 5	7,63,947 4 10	69,945 0 2	123,635 9 3

## NALHATI STATE RAILWAY.

*Approximate Return of Traffic for week ended 30th June 1877, on 27½ miles open.*

		Rs. A. P.	£ s. d.	Mds. Sr.	Rs. A. P.	£ s. d.	£ s. d.
al traffic for the week	2,331	1,035 0 8	103 10 0	10,762 0	775 0 0	77 16 0	181 0 0
per mile of railway	86	38 0 0	3 16 0	395 0	28 8 0	2 17 0	6 13 0
previous 26 weeks of half-year	55,912	26,741 0 0	2,674 2 0	1,98,944 0	14,539 0 9	1,455 18 0	4,130 0 0
Total for 26 weeks	58,243	27,776 0 0	2,777 12 0	2,09,606 0	15,337 0 0	1,533 14 0	4,211 0 0
COMPARISON.							
al for corresponding week of previous year	1,850	535 10 6	62 7 4	1,545 10	215 1 6	21 10 2	103 17 6
mile of railway, corresponding week of previous year	67	50 3 7	3 0 5	56 28	7 14 8	0 15 9	3 16 2
al to corresponding date of previous year	52,710	26,027 12 8	2,602 15 7	1,75,870 20	14,643 5 6	1,464 6 8	4,067 3 3



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY; JULY. 18, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum & delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### RESOLUTION ON THE ANNUAL REPORT OF THE MARINE DEPARTMENT FOR THE YEAR 1876-77.

No. 1869A.

GENERAL DEPARTMENT.—MARINE.

Calcutta, the 3rd July 1877.

READ—

The Annual Report of the Master Attendant's Department for 1876-77.

The Annual Report of the Government Dockyard and Marine for the year 1876-77.

It has hitherto been the practice to include all Marine matters under the control of the Government of Bengal within a single report from the Marine Department. For the past year, however, two reports of the Marine Department have been prepared under recent orders of the Government of India, with reference to the Marine business transacted in the Department of Revenue, Agriculture, and Commerce, and that transacted in the Marine Department of the Government of India.

2. Lieutenant F. Warden was in charge of the entire department throughout the year as Officiating Deputy Master Attendant. Shortly after the close of the year Captain Harris, Conservator of the Orissa Ports, was drowned on the 8th of May while proceeding to inspect the light-house at False Point. His death has deprived Government of the services of an able and energetic officer, who had a large experience of the Orissa coast and a thorough knowledge of the requirements of the sea-going trade of that province. Lieutenant Warden observes that the staff of the Master Attendant's Department is weaker by three officers than it was ten years ago, and that the reforms introduced by the Consulting Naval Officer to the Government of India have materially increased the

work. A scheme for the reorganization of the Marine Service has, however, been drawn up by the Government of India and will shortly take effect. The Lieutenant-Governor has more than once expressed his opinion that reforms were needed to secure the efficient administration of Marine affairs in these provinces.

3. In the year under report the Pilot Service numbered 70 members, that being the strength to which it was reduced last year, and which it is intended to maintain in future. Forty-seven pilots belong to the covenanted service, and 23 are licensed pilots. Of the 47 service pilots, 33 were actually running, 3 were in command of pilot vessels, 10 were on leave, and 1 was employed on staff duty. The 23 licensed pilots were all actually running, so that altogether 56 pilots, or two less than last year, were available for service on vessels entering and leaving the Hooghly. This number of 56 running pilots was considered by the Committee of 1872 to be sufficient for the working of 2,000 vessels in the year, allowing an average of four days as the period for taking a ship up or down the River. The actual number of ships piloted during the year, including 28 pilot vessels and light vessels, amounted to 2,310; but as the time now occupied in the pilotage of each vessel is much shorter than was allowed for in the Committee's estimate, there seems no reason to doubt that the number of 56 running pilots is sufficient for the work of the port, provided that proper arrangements are made for sending a sufficient supply of them down to the Sandheads to await the arrival of incoming ships.

4. The scheme proposed by this Government for recruiting the Pilot Service has been accepted by the Secretary of State. Leadsman apprentices will in future be selected from the training ships in England, and no more appointments will be made in this country.

5. The following statement shows the number and tonnage of the vessels visiting the port during the last two years:—

YEAR.	Arrivals.	Tonnage.	Departures.	Tonnage.	Total vessels.	Total tonnage.
1876-76	914	1,274,944	906	1,284,991	1,820	2,559,935
1876-77	1,161	1,696,701	1,121	1,606,350	2,282	3,303,051

6. A considerable increase is apparent both in the number of vessels and in the gross tonnage, which is believed to be due for the most part to the number of short voyages to and from the ports of the Madras coast undertaken by steamers and sailing vessels exporting rice from Bengal. A similar expansion of the traffic of the port was observable in a less degree in 1874, when distress prevailed in Behar, and rice was largely imported from British Burmah. It was noticed in the Resolution on the report for 1875-76 that the decrease in the number of vessels entering and leaving the port was entirely in steamers, the number and tonnage of sailing vessels showing an increase. During the past year the increase in the number of steamers was 277, and in the number of sailing vessels 185. The average tonnage of steamers is slightly less than in the previous year, but there is a considerable rise in the average tonnage of sailing vessels.

7. The following statement shows the number of sailing vessels and steamers that entered and left the port in the last two years, as well as the number of each that passed through the Suez Canal:—

		1875-76.	1876-77.
ARRIVALS	Number of steamers	406	552
	Ditto of sailing vessels	508	609
	Ditto of steamers which came through Suez Canal	149	161
DEPARTURES	Number of steamers	405	538
	Ditto of sailing vessels	501	585
	Ditto of steamers which went through Suez Canal	134	147
Total tonnage, inwards and outwards, of steamers		1,454,264	1,945,577
Average tonnage of steamers		1,793	1,788
Total tonnage, inwards and outwards, of sailing vessels		1,105,001	1,349,374
Average tonnage of sailing vessels		1,095	1,130

8. The report contains a statement showing the number of vessels piloted by the 56 running pilots, and the annual and monthly average piloted

by each member of the several grades of the Service. From this statement, which has been prepared in accordance with the instructions conveyed in the Government letter of 10th October 1875, it appears that each Branch Pilot piloted on an average 5.35 ships a month. For Master Pilots the monthly average was 3.60 ships, and for Mate Pilots 2.94 ships a month. It will be remembered that the Pilot Committee of 1872 considered that the strength of the Pilot Service should be fixed at that number which would allow each pilot an average of three ships a month. From the figures now presented, it is clear that the recent reorganization of the Service has operated to raise the average earnings of a pilot considerably above the scale which the Committee held to be adequate; and that the reduction of 15 per cent. from the pilotage fees, which has been made under recent orders, has not afforded any reasonable ground of complaint.

9. There were 32 cases of grounding during the year, being 13 less than last year, and 36 less than in 1873-74. In 29 cases no damage was done, two vessels were totally lost, and a third was dismantled and obliged to put back into harbour. Marine Courts were held in the two cases of total loss. In one case the pilot in charge was acquitted, while in the other, that of the *Cawdor Castle*, the pilot was found guilty of unskilfulness and was dismissed. There were seven collisions, but considerable damage was done only in one case. Departmental Courts of Enquiry were held in two cases of grounding and one of collision. Special Courts under section 4 of Act IV of 1875 were convened to enquire into the loss of the *Asia* by fire while at anchor in the port, and of the *Prince Waldemar* on the *Roy Mutlah* sand. In the former case the Court found that the fire was accidental, and in the latter that the ship was 30 miles out of her reckoning when she struck. The general conduct of the Pilot Service is reported to have been good throughout the year. Considering the increase that has taken place in the number and tonnage of vessels, the crowded state of the port, and the great length and draught of water of the steamers which have lately been built for the Suez Canal trade, it is satisfactory to find so few cases of grounding; and so few collisions of a serious nature.

10. There seem to be no grounds for believing that the channels of the Hooghly have materially deteriorated of late years. It is known that 40 years ago a draught of 17 feet was considered the maximum that could safely be allowed to proceed up as far as Calcutta; while now vessels drawing over 21 feet pass up and down at all seasons of the year. The general use of steam has no doubt much to say to this; but it is clear at the same time that the river has not fallen off as a navigable channel. The following statement shows the number of steamers drawing over 21 feet that passed up and down in 1876-77:—

MONTH.		21-22 feet.	22-24 feet.	24-26 feet.	25-25½ feet.	Total.
April	1876	11	3	1	.....	15
May	"	1	4	.....	.....	5
June	"	5	3	.....	.....	8
July	"	13	1	1	.....	15
August	"	12	1	.....	.....	13
September	"	8	2	.....	.....	7
October	"	14	4	3	.....	20
November	"	14	3	3	.....	19
December	"	7	4	2	1	14
January	1877	18	12	4	.....	23
February	"	14	6	3	1	24
March	"	12	5	4	.....	21
Total		121	62	21	2	192

11. The Committee appointed to enquire into the survey of the Hooghly have submitted their report, and the proposals of this Government have been laid before the Government of India. In the meantime, the urgent necessity for replacing by steamers the sailing vessels at present employed on the work of

the river survey has become very apparent, and proposals are now under consideration for the immediate employment of the steamer *Nemesis* on survey duty in the room of the *Kedgorce*. The details given in the report show the changes which have taken place in the navigating channels during the year. The buoys from Calcutta to the sea have been put in good order, and the *Dolphin* buoy vessel has also overhauled and refitted the buoys on the Orissa coast.

12. The working of the quarterly examinations for certificates of competency is described in the report. Lieutenant Warden observes that the examinations are held at too long intervals, and that this bears hardly upon young officers whose promotion is delayed thereby. On this point, however, the Government of India have expressed a wish that the examinations should be held half-yearly or quarterly, and it is obvious that, when a large body of examiners has to be assembled, there would be much practical inconvenience in holding examinations at shorter intervals than three months. The Lieutenant-Governor is therefore unable to reconsider the decision which was previously arrived at.

13. The pilot vessels and floating light-vessels are reported to be in good condition. The new light-ship *Canopus* has recently been sent to relieve the *Planet*, which has been brought into dock for repairs; but as soon as the *Planet* returns to her post, the *Canopus* will be sent to a new station between the Lower Gasper and the Outer Light.

14. The *Vulcan* anchor vessel has been employed during the year in recovering lost anchors and chains, and has also rendered assistance to the River Survey Department both in the Hooghly and on the Orissa coast. The cost of the establishment of the vessel amounted to Rs. 5,208, and Rs. 959 was paid to the crew for salvage. The stock in hand of recovered anchors and chains is estimated to be worth Rs. 5,514. Although the vessel was employed during a part of the year on survey duties, and in spite of a serious misunderstanding with the crew, which resulted in the suspension of the commander, the income, excluding the value of the stock in hand, exceeded the expenditure by Rs. 1,828.

15. The houses of refuge were visited several times in the year, and have lately been thoroughly refitted and replenished with stores. Two houses have been entirely rebuilt.

16. The account given in the Marine Report shows the distribution of the Inland Flotilla up to the end of the year. Since then the *Prince Albert*, with the large flats *Ganges* and *Konai*, and No. 10 famine steamer, with two smaller flats, have been placed at the disposal of the Chief Engineer, Northern Bengal State Railway, for the conveyance of railway plant, and the hulk *Ghascoopore* has been transferred to the Port Fund of False Point. It is understood that steamers and launches employed under the orders of this Government will in future be treated as a charge on the Provincial Revenues. Information is now being collected, showing the actual cost of each of the vessels now employed in Bengal, and a detailed proposal will shortly be submitted to the Government of India with regard to the steamers which the Lieutenant-Governor would desire to retain permanently.

17. The silting up of the foreshore of the Dockyard has formed the subject of a separate correspondence with the Marine Department of the Government of India and with the Port Commissioners. Some delay has been occasioned by the reluctance of the Port Commissioners to commence dredging so long as Fort Point remained in its present condition. But it has now been explained to the Commissioners that it is not likely that any works will be undertaken at Fort Point of such a kind as materially to affect the river below the Point; and a hope has been expressed that they will recognise the urgency of the case, and direct the immediate removal, by means of the dredger, of the accumulation of silt complained of by the Marine authorities.

The details given in the report show that an unusually large amount of work was done in the Government Dockyard and Steam Factory during the year.

By order of the Lieutenant-Governor of Bengal,

H. J. REYNOLDS,  
Secy. to the Govt. of Bengal.

## SUBORDINATE CIVIL SERVICE EXAMINATION, 1877.

## APPOINTMENT DEPARTMENT.

*Darjeeling, the 9th July 1877.*

## Read again—

The Report of the Superintendent of the Subordinate Civil Service Examination on the result of the examination held in 1876, and the Resolution of the Government thereon.

The Minute recorded by the Lieutenant-Governor of Bengal, dated the 25th September 1875, on the competitive examinations for the admission of candidates to the Native Civil Service of Bengal.

The Notification of this Government in the General Department, Section B., dated the 28rd November 1875, promulgating revised rules to regulate the examination to be held in 1876 and subsequently.

## Read also—

Letter from the Superintendent of the Subordinate Civil Service Examination, No. 27, dated the 18th June 1877, reporting the result of the examination held in March 1877 at Hooghly, Patna, and Cuttack.

This examination was the second on the competitive principle under the revised rules of November 1875.

The number of appointments offered for competition was four in the higher (Rs. 100 per mensem), and six in the lower grade (Rs. 50 and Rs. 25 per mensem).

2. The number of candidates examined was 20 in all, of whom 13 were for the entire examination, two who partially passed last year were for examination in the unpassed subjects only, and five were assistants in the Opium Department for examination in botany and chemistry.

3. Of the 13 candidates for the entire examination (ten for the higher and three for the lower grade) not one was passed completely. Two of them, however (named on the margin), who were candidates for the higher grade, though they failed for that grade, yet obtained more than the requisite number of marks to pass them for the lower grade.

Poorno Chunder Dutt, B.A.  
Baroda Dass Bose.

4. By paragraph 7 of the Examination Rules, a candidate who fails in the examination for the upper grade is not entitled to be considered as passed by the lower grade merely because he earned a sufficient number of marks to pass him for that grade; but in accordance with precedent, and with the recommendation of the Superintendent of the Examination, the Lieutenant-Governor has been pleased to permit Baboos Poorno Chunder Dutt and Baroda Dass Bose to be declared as having passed for the lower grade.

5. Baboo Baroda Dass Bose, however, now holds a temporary Sub-Deputy Magistracy on the strength of the examination which he passed in 1873. His position will not be injuriously affected by his failure to pass for the higher grade on this occasion.

6. Of the three candidates for the lower grade, Baboo Sarut Chunder Dass already fills an appointment in the Subordinate Executive Service. He was appointed to be a First Grade Canoongoe in Tipperah in 1873, subject to passing in Surveying and Engineering at the examination in 1874. He failed to pass at that examination, and as this was partly due to his having been employed in the interior of the district on special work, his failure was passed over. He was afterwards employed on settlement duty, and could not attend the examinations in 1875 or 1876. At the present examination he obtained the following marks:—

				Full marks.	Marks obtained.
Engineering	...	...	...	240	94
Drawing	...	...	...	120	59
Surveying	...	...	...	240	104
Total				600	257

and has thus failed to pass under the existing rules; but as he has obtained more than one-third of the marks, and these, under the rules in force when he

entered the service, would have passed him for the lower grade, the Lieutenant-Governor has been pleased, in consideration of this fact and of the Baboo's past service, and of the recommendation made by Mr. N. S. Alexander, Magistrate and Collector of Tipperah, in January 1876, to exempt Baboo Sarut Chunder Dass from further examination.

7. Of the two candidates\* in unpassed subjects, Baboo Kader Nath

\* Baboo Kader Nath Banerjee.

" Ram Lall.

Banerjee was for the higher and Baboo Ram Lall for the lower grade, and both have now passed. The

latter is already in the service as a Canoongoe, and the former is now eligible for employment under the old rules.

8. As regards the five officers of the Opium Department, Mr. T. E. D. Innes has now passed in Botany, and as he has already passed in the other subjects, he is now declared to have passed completely. Mr. G. Nicholson has also passed in Botany, but has yet to pass in Surveying and Chemistry. The remaining three officers all failed to pass in any subject.

10. The thanks of Government are due to Mr. Grimley and the gentlemen who aided him in conducting the examination.

By order of the Lieutenant-Governor of Bengal,

S. C. BAYLEY,

Secretary to the Govt. of Bengal.

## REPORT ON THE WORKING OF THE JUTE WAREHOUSE AND FIRE-BRIGADE ACT FOR THE YEAR 1876-77.

No. 190A, dated Howrah, the 26th May 1877.

From—F. H. PELLEW, Esq., C.S., Chairman of the Municipal Commissioners of Howrah,

To—The Commissioner of the Burdwan Division.

In accordance with the provisions of section 31 of Act II of 1872, "The Jute Warehouse and Fire-Brigade Act," I have the honor to submit the following report on its administration in this Municipality for the year ending the 31st March 1877.

2. There were 25 warehouses licensed during the year for the storage of loose jute and cotton; a classified list of them is given in appendix A.

3. There was only one new warehouse constructed during the year, which was within the premises of the Ganges Manufacturing Company, and, as required by the Act, plans of the building were approved and passed at a special meeting.

4. The total income during the year amounted to Rs. 5,320-9-5, of which the following are the details:—

		Rs.	A.	P.
Balance of funds on the 1st of April 1876 ...	...	199	12	0
License fees ...	...	5,075	14	11
Fines ...	...	41	0	0
Refunds ...	...	3	14	6
Total ...	...	5,320	9	5

5. In the amount received from license fees is included the sum of Rs. 525 which was paid in advance for licenses for the current year, and more properly appertains to the income of the latter period.

6. There has been a further falling off in the income, the cause of which was a further depression in the jute-pressing and screwing trade. During the year many of the warehouses were leased for the storage of salt and grain, and the owners have almost despaired of engaging in the jute trade again.

7. The expenditure in the inspection of jute warehouses amounted to Rs. 707-14-0, which consisted of—

### Inspection Establishment.

		Rs.	A.	P.
Inspector ...	...	657	0	0
Contingencies ...	...	13	6	0
Refund of license fees ...	...	37	8	0
Total ...	...	707	14	0

8. Owing to the large reduction in the income, the cost of the inspection establishment has been reduced to a minimum. The salary of the Inspector, which was formerly Rs. 100 per mensem, has been reduced to Rs. 50, and the staff of peons has been entirely dispensed with.

9. The reduced scale of establishment entertained for the working of the fire-brigade, as reorganised on the 5th of November 1875, was maintained throughout the year and found to work satisfactorily.

10. At a meeting of the Fire-Brigade Special Sub-Committee, held on the 4th November 1875, it was deemed expedient to make certain alterations in the construction of the small engines, viz. that the unions of the delivery hoses of all the engines should be made to fit each other, and the arrangement was carried out during the year under report with a very advantageous result in working the engines in point of expedition.

11. During the year twenty-four fires occurred within the jurisdiction of the Municipality, which were entirely confined to private dwellings and straw depôts, and originated in the majority of instances from negligence and cooking. There was not a single fire amongst the jute and cotton warehouses.

12. Owing to the rise in the price of horses, consequent on the Prince of Wales' visit, a suitable pair could not be provided for the large engine until the 5th May 1876, when a horse was purchased at a cost of Rs. 200, which was matched with a horse that drew the hospital ambulance.

13. A watch was regularly kept, both night and day, on the top of the catcherry building which commands an extensive view of the town, and intimation of fires was promptly given by means of the fire-bell.

14. The firemen were drilled and all the stations were regularly visited by the Superintendent. During the hot season the services of the firemen were utilized in pulling the office punkahs, and this effected a saving to the general charges.

15. The following is an abstract statement of the expenditure in this department during the year :—

			Rs.	A.	P.	Rs.	A.	P.
<b>I.—Establishment—</b>								
Superintendent	...	...	1,200	0	0			
Tindale	...	...	419	8	0			
Khailassee	...	...	1,602	5	6			
Coachman	...	...	32	0	0			
Syces	...	...	143	12	0			
Rewards to police	...	...	*10	12	0			
						3,408	5	6
<b>II.—Purchase of stock—</b>								
Repairs and alterations to engines	...	...	211	4	6			
New delivery hose	...	...	208	9	0			
Brass unions for hose	...	...	20	0	0			
Cost of a horse	...	...	200	0	0			
Feed, keep, &c., of horses	...	...	297	9	7			
						935	7	1
<b>III.—Contingencies</b>								
	...	...				124	12	0
						4,468	8	7
<b>Total</b>								

\* The actual amount earned by the Police was Rs. 43-8-0, but they did not draw the whole amount within the year owing to delay in submitting bills.



## APPENDIX A.

## Statement of Jute Warehouses for which Licenses were granted during the year 1876-77.

Register number.	NAMES.	Locality.	Description of premises.	Annual valuation.	Amount of fee realized.	Period for which license granted.	REMARKS.
1 {	Lallmone Dasgupta Ditto. Ditto.	140, Old Ghoseery Road.	3 warehouses, 1 screw-house, and 8 sets of screws.	Rs. ... 2,700 1,440 4,140	Rs. A. P. 137 8 0	From 1st April 1876 to 31st March 1877.	The 1st quarter at Rs. 250, and the other quarters at Rs. 100.
2 {	Biswas Doyal Singh Ditto. Ditto.	33, ditto	3 warehouses, 1 screw-house, and 2 sets of screws.	... 2,100 900 3,000	212 8 0	Ditto	From 1st to 3rd quarter at Rs. 250, and the last quarter at Rs. 100.
3 {	Haffee Hossain Ally Bamprasad Durrani Suddoram Sagor Moll.	20, ditto	1 pucca godown	... 600	73 0 0	1st, 2nd, and 3rd quarters.	
4 {	Cao. Henderson and Co. Ditto. Ditto.	1, Bally Station Road	1 warehouse	... 150	100 0 0	From 1st April 1876 to 31st March 1877.	
5 {	Proccath Mookerjee Ditto. Ditto.	92, Horrah-Chunder Mookerjee's Lane.	2 godowns and 1 enclosed verandah	... 72	73 0 0	1st, 3rd, and 4th quarters.	
6 {	Chintamone Dey Ditto. Ditto.	34, Borcomonath Chatterjee's Lane.	1 warehouse	... 106	100 0 0	From 1st April 1876 to 31st March 1877.	
7 {	Seshpore Jute Manufacturing Co. Apar and Co. Ditto.	7-1, Kaveriparah	1 ditto	... 3,000	250 0 0	Ditto	
8 {	Sammarain Soekab Ditto. Ditto.	61, Horrah Road	1 ditto	... 600	25 0 0	Only 1st quarter.	
9 {	The Horrah Mills Co., Ltd. Bamitapore Press Co., Ltd. Ditto.	27, Grand Trunk Road	1 screw-house, 4 sets of hand screws, 2 hydraulic presses, and 4 warehouses.	... 7,850 3,940 11,790	760 0 0	From 1st April 1876 to 31st March 1877.	
20 {	Ghoseery Cotton Mills Co., Ltd. Ditto. Ditto.	104, Old Ghoseery Road	3 warehouses	... 1,400	129 0 0	Ditto	

11	Owner Occupier Licensee	Howrah Mills Co., Ltd. Ditto. Ditto.	435, Grand Trunk Road	1 batching house and a large corrugated-iron shed.	Buildings	2,700	250 0 0	From 1st April 1876 to 31st March 1877.
12	Owner Occupier Licensee	Madosoodun Condoo Ditto. Ditto.	9-1, Baboodangah Lane	1 warehouse	Building	130	75 0 0	1st, 3rd, and 4th quarters.
13	Owner Occupier Licensee	Moran and Co. Ditto. Ditto.	44, Howrah Road	1 ditto	Ditto	1,000	75 0 0	2nd and 3rd quarters.
14	Owner Occupier Licensee	Bhugwanthunder Banerjee Ditto. Ditto.	44, ditto	1 screw-house with 4 warehouses and 31 sets of screws.	Buildings Screws	3,583 1,200	137 8 0	5 quarters—2nd quarter at Rs. 250; 3rd and 4th quarters at Rs. 100.
15	Owner Occupier Licensee	East Indian Railway Co. Ditto. Ditto.	24, Howrah Ghat Road	Portion of goods shed	Building	1,200	100 0 0	From 1st April 1876 to 31st March 1877.
16	Owner Occupier Licensee	Balli Brothers Ditto. Ditto.	Koloparah Lane, Ghoserry.	1 warehouse	Ditto	120	120 0 0	Ditto ditto.
17	Owner Occupier Licensee	Tarrchand Kolly Ditto. Ditto.	2, Bose Bagan Lane	1 ditto	Ditto	120	50 0 0	2nd and 3rd quarters.
18	Owner Occupier Licensee	Namuth's Patent Press Co. Ditto. Ditto.	108, Old Ghoseery Road	1 press-house, 5 warehouses, and 7 presses.	Buildings	11,000 6,750	150 0 0	2nd, 3rd, and 4th quarters.
19	Owner Occupier Licensee	Ganges Manufacturing Co., Ltd. Ditto. Ditto.	435, Grand Trunk Road	2 warehouses	Ditto	1,500	600 7 0	From 1st April 1876 to 31st March 1877.
20	Owner Occupier Licensee	Horro Nath Banerjee Ditto. Ditto.	14, Joya Beebee's Lane	1 warehouse	Building	54	50 0 0	2nd and 3rd quarters.
21	Owner Occupier Licensee	Anderson, Wright and Co., Agents for West's Patent Press Co. Ditto. Ditto.	7, Oorisparah Lane	4 warehouses, 1 press-house, with 2 hydraulic presses.	Buildings	4,540 1,975	375 0 0	2nd, 3rd, and 4th quarters.
22	Owner Occupier Licensee	Bromonoye Daboo Ditto. Ditto.	182, Horrogonge Road	7 warehouses, 2 screw-houses, and 5 sets of screws.	Ditto Screws	5,608 2,500	250 0 0	2nd quarter at Rs. 500 and 3rd and 4th quarters at Rs. 250.
23	Owner Occupier Licensee	Howrah Hydraulic Press Co. Ditto. Ditto.	54, Rosemerry Lane	4 warehouses, 1 press-house, and 3 sets of presses.	Buildings	4,250 2,000	201 10 8	2nd, 3rd, and 4th quarters.
24	Owner Occupier Licensee	Ganges Manufacturing Co., Ltd. Ditto. Ditto.	435, Grand Trunk Road	1 warehouse, being portion of mill	Building	600	35 5 3	From September 1876 to 31st March 1877.
25	Owner Occupier Licensee	Bassam Doyal Singh Ditto. Ditto.	116, Horrogonge Road	1 warehouse	Ditto	380	25 0 0	4th quarter.

## APPENDIX A.—(Continued.)

Statement of Jute Warehouses for which Licenses were granted during the year 1876-77.

Register Number.	NAME.	Locality.	Description of premises.	Annual valuation.	Amount of fee realized.	Period for which license granted.	REMARKS.
1	Owner ...	24, Joya Babee's Lane ...	FOR 1877-78, PAID IN ADVANCE. Portions of 3 warehouses ...	1,000	Rs. A. P. 150 0 0	Whole year.	
	Eastonjee Twins and Curran Factory Co., Ltd. Ditto.						
	Occupier ... Licenses ...						
2	Owner ...	75, Howrah Road ...	1 screw house and 2 sets of screws ...	1,900	2700	April to September 1877.	
	Morris and Co. Ditto.						
	Occupier ... Licenses ...						
3	Owner ...	7-1, Kanyapagh Ghat Road ...	1 warehouse ...	2,000	250 0 0	Whole year.	
	Seahpore Jute Manufacturing Co., Ltd. Ditto.						
	Occupier ... Licenses ...						
				Total ...	5,975 14 11		

## APPENDIX B.

Prosecutions under the Jute Warehouse Act during the year 1876-77.

Sections of Act violated.	NATURE OF OFFENCE.	NUMBER OF PROSECUTIONS DURING THE YEAR.		NUMBER OF PERSONS CONVICTED.		Total.	Number of cases pending at the close of the year.	Amount of fines.	Average fine per case.	Maximum fine provided in Act.	REMARKS.
		Number of cases pending in previous year.	Number of cases reported during the year.	Number of persons fined.	Number of persons warned.						
11	Using jute warehouse without a license ...	.....	1	1	.....	1	.....	31	53	100	
13	Establishing new jute warehouse without license ...	2	1	1	.....	2	.....	10	10	500	
	Total ...	2	2	2	.....	3	2	41	.....	.....	

## Statement showing the particulars of Fires which occurred during the year 1876-77.

Date.	Time of occurrence.	Locality.	Origin of fire.	Destruction caused.	Estimated loss of property.	Number of engines employed.	Number of constables employed.	Remuneration to constables at 5 annas per head.	REMARKS.
1876.					Rs. A. P.			Rs. A. P.	
1st May	2-15 P. M.	Gholadanga	Unknown	1 hut	30 0 0	Two	25 men	8 8 0	Prompt assistance was rendered by the Sudder and Howrah Station engines. The Sudder and Howrah engines promptly attended, but owing to high wind prevailing at the time, considerable damage was done before any help could be afforded.
4th "	11-55 "	Moorgachhat	Ditto	21 huts	2,000 0 0	Two			Prompt assistance was rendered by the Howrah Station engine.
1st June	3 A. M.	Bantrah	Ditto	1 straw stack	4 0 0	One	10 men	2 8 0	Prompt assistance was rendered by the Seebpore Station engine.
13th "	1 P. M.	Howdyparah	Ditto	Ditto	3 8 0	One			Prompt assistance was rendered by the Seebpore Station engine.
1st July	1-15 "	Golabary	Cooking	6 huts	30 0 0	Two			Prompt assistance was rendered by the Gahabary and Sudder Station engines.
2nd September	8 A. M.	Horregunge	Unknown	1 hut	1 0 0	One			A portion of the roof was only destroyed; promptly extinguished by the Golabary engine.
24th October	8-30 P. M.	Kawarparah	Ditto	1 hut	16 0 0	One	10 men	2 8 0	Prompt assistance was rendered by the Seebpore Station engine.
7th "	3 A. M.	Seebpore	Cooking	1 hut	12 0 0	One	10 "	2 8 0	Ditto
27th "	3 "	Kawarparah	Unknown	Clothes	25 0 0	One			A lot of wearing apparel unaccountably caught fire in a press house; was promptly extinguished by the Seebpore engine.
7th November	4-30 "	Koelagan	Ditto	1 hut	5 0 0	Two			A portion of the roof was only destroyed, and was extinguished by the inhabitants.
2nd December	2-55 "	Bisbagan Lane	Ditto	3 huts	500 0 0	Two			The arrival of the brigades.
24th "	2-30 P. M.	Rajbulub Shaw's Lane	Ditto	4 huts	150 0 0	Two	10 men	9 8 0	The Sudder and Seebpore engines promptly attended. A cow and calf were burnt to death.
26th "	2-30 "	Bakulparah	Ditto	25 huts	1,000 0 0	Two	25 "	7 4 0	Prompt assistance was rendered by the Sudder and Golabary Station engines. An engine belonging to the Calcutta Fire-Brigade also arrived on the scene, but owing to the narrowness of the lane, could not enter to render any assistance.
1877.									
5th January	12-30 A. M.	Aristhy Bazar	Ditto	1 hut	1 0 0	One			A portion of the roof was only destroyed; promptly extinguished by the Howrah engine.
23rd "	7-15 P. M.	Echapor	Ditto	4 huts	150 0 0	Two	9 men	2 4 0	Prompt assistance was rendered by the Sudder and Seebpore Station engines.
11th February	1-30 A. M.	Joliparah	Ditto	1 shed	4 0 0	One	8 "	1 4 0	Prompt assistance was rendered by the Sudder and Howrah Station engines.
26th "	8-5 P. M.	Feelkhanah	Cooking	27 huts	740 0 0	Two	15 "	3 15 0	Prompt assistance was rendered by the Sudder and Golabary Station engines. A woman slightly burnt on the arms and face; was immediately conveyed to hospital.
24th "	10-30 A. M.	Aristhy Bazar	Ditto	1 hut	Nil	One			Only a small portion of the roof was burnt; promptly extinguished by the Howrah engine.
24th "	11-55 P. M.	Domeparah	Unknown	6 huts	500 0 0	One	10 men	2 8 0	Prompt assistance was rendered by the Howrah Station engine. There being no proper roadway, the large engine could not be taken to the spot.
22th "	12-30 "	Banikparah	Cooking	1 hut	5 0 0	One	Nil		The brigade promptly started for the spot, but the fire being insignificant, was extinguished by the inhabitants ere its arrival.
14th March	12-45 "	Kala Bebe's Bagan	Incendiary	1 hut	150 0 0	Two	6 men	1 8 0	But for the timely assistance afforded by the Sudder and Howrah Station engines, this fire would have proved extensive, the houses being closely packed, numerous, and mostly thatched.
18th "	7 "	Ticomparah	Cooking	40 huts	4,000 0 0	Four	34 "	6 0 0	The brigade turned out in its full force and rendered good service; several huts were promptly dismantled, and progress of fire, which threatened the destruction of the bazaar, effectually checked.
22th "	6 "	Seebpore	Ditto	Jute	25 0 0	One	10 "	2 8 0	A boat laden with two thousands of jute took fire through the negligence of the boatmen in cooking; was promptly extinguished by the Seebpore engine. A small quantity of the jute, valued at Rs. 25, was destroyed.
							Total	42 8 0	

PRICES-CURRENT of Food-grains and Salt in the underment

QUANTITIES PER RUPEE

DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULWASH MILLET— CUMBOO, RAJRA.			GRASS MILLET— CHOLU, JOWAR.			LESSER MILLET— RAGI OR M. AND CHEN.		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	
BENGAL.																					
Western Districts.																					
Burdwan	14 8	14 8	10 8	30 0	30 0	18 0	13 4	15 8	21 8	13 12	16 4	22 8	...	...	...	...	...	...	...	...	
Bankura	16 12	16 12	20 0	30 0	32 0	25 0	16 0	20 0	18 4	17	23 0	21 4	...	...	...	...	...	...	...	...	
Midnapore	14 0	14 0	20 0	...	...	...	14 0	20 0	20 0	18 0	21 0	24 0	...	...	...	...	...	...	...	...	
Hooghly	13 0	13 0	19 0	...	...	...	8 0	$\left\{ \begin{smallmatrix} 8\ 0 \\ \text{to} \\ 8\ 8 \end{smallmatrix} \right\}$	10 0	$\left\{ \begin{smallmatrix} 11\ 0 \\ \text{to} \\ 11\ 8 \end{smallmatrix} \right\}$	13 0	$\left\{ \begin{smallmatrix} 20\ 0 \\ \text{to} \\ 20\ 0 \end{smallmatrix} \right\}$	...	...	...	...	...	...	...	...	
Howrah	13 8	13 4	19 0	...	...	...	9 0	12 0	15 0	11 0	13 0	20 0	...	...	...	...	...	...	...	...	
Central Districts.																					
Calcutta	12 0	13 0	16 0	25 0	20 0	30 0	8 4	9 0	11 0	10 12	13 0	16 0	...	...	...	25 0	20 0	30 0	...	...	
Nudda	18 15	18 16	20 0	...	25 8	35 8	11 14	13 6	17 4	12 5	25 15	18 5	...	...	...	...	...	...	...	...	
Jessore	18 0	18 4	19 0	...	...	...	13 0	12 12	16 12	17 0	17 8	22 0	...	...	...	...	...	...	...	...	
BEHAR.																					
Patna	20 0	20 0	23 0	30 0	35 0	35 0	18 8	24 0	18 0	16 8	18 0	20 0	...	...	...	27 0	27 0	20 0	...	...	
Sarna	16 12	17 0	22 0	28 0	29 0	30 0	10 0	10 0	9 12	11 8	18 0	19 0	...	...	...	29 0	31 0	...	28 0	29 0	
CHOTA NAGPORE.																					
South-Western Frontier Agency.																					
Hazareebagh	20 8	20 0	17 8	...	...	...	12 0	12 0	12 0	21 0	23 8	20 0	...	...	...	...	...	...	33 0	33 0	

Other ret

- A In the interior the prices range as follow:—Wheat 13 to 19-8 seers, best rice 12 to 16-8 seers, common rice 13 to 18 seers, and gram 19 to 23 seers.  
 B In the interior the prices range as follow:—Wheat 15 to 18 seers, barley 20 to 37 seers, best rice 16 to 24 seers, common rice 17-8 to 26 seers, maize 24 to 35 and gram 15 to 18 seers.  
 C In the interior the prices range as follow:—Wheat 13 to 15 seers, barley 26 to 30 seers, best rice 8 to 8-8 seers, common rice 11 to 14-8 seers, and gram 16 to 18 seers.

CALCUTTA,  
The 17th July 1877.

of Bengal for the Fortnight ending 15th July 1877.

OF 80 TOLAHS.

AVERAGE WAGES PER MONTH.

INDIAN.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STOCK OR HORSE-KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			DISTRICTS.
Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	
BENGAL.																					Burdwan.
Western Districts.																					
Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.	Rs. S. Ch.
...	18 0	16 0	26 0	120 0	120 0	120 0	4 9 0	9 0	6 8 6 0	6 0	5 0	5 0	5 0	5 0	5 0	5 0	11 4	7 8	9 8	...	
0 35 0	16 0	17 0	21 0	400 0	400 0	480 0	8 8 8 8	8 12	2 18 3 0	3 0	3 0	4 0	4 0	4 0	4 0	4 0	7 8	7 0	7 0	...	
...	13 0	14 0	18 0	260 0	260 0	180 0	9 4 9 0	9 0	4 0 5 0	5 0	4 3 5 0	5 0	5 0	5 0	5 0	5 0	7 8 6 0	6 0	4 0	...	
...	16 0	16 0	26 0	120 0	120 0	120 0	9 0 9 0	9 0	6 8 5 0	5 0	8 8 5 0	5 0	5 0	5 0	5 0	5 0	7 8 7 8	7 8	7 8	...	
...	14 0	16 0	22 8	110 0	120 0	120 0	10 0 10 0	9 12	7 0 8 0	7 0	7 0 7 0	7 0	7 0	7 0	7 0	7 0	12 0 13 0	13 0	13 0	...	
Central Districts.																					Calcutta.
0 24 0	16 0	18 0	24 0	100 0	100 0	120 0	8 0 8 0	8 0	11 6 11 6	9 8	6 9 6 0	6 0	6 0	6 0	6 0	15 0	14 0	15 8	...		
...	21 5	21 5	30 8	120 0	140 0	100 0	9 6 9 6	9 2 1	...	...	...	...	...	...	...	...	...	...	...	...	
...	19 4	20 0	29 0	120 0	120 0	120 0	8 0 8 0	8 0	7 8 7 8	7 8	6 0 5 0	5 0	5 0	5 0	5 0	5 0	10 0 15 0	8 0 15 0	10 0 15 0	...	
BEHAR.																					Patna.
0 31 0	27 0	30 0	31 0	140 0	140 0	150 0	8 0 8 0	8 0	3 0 4 0	3 0	4 0 5 0	4 0	4 0	4 0	4 0	5 10	5 10	5 10	...		
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
0 30 0	27 0	27 8	29 0	160 0	160 0	160 0	8 0 8 0	8 0	3 8 3 12	2 8 3 12	3 8 4 8	4 0 4 8	4 0	4 0	4 0	6 0 10 0	6 0 10 0	6 0 10 0	...	...	
CHOTA NAGPORE																					Saran.
South-Western Frontier Agency.																					
24 8	26 8	28 0	18 8	240 0	240 0	240 0	8 0 7 0	7 0	4 0 4 0	4 0	4 0 5 0	5 0	5 0	5 0	5 0	5 0	8 0 8 0	8 0	8 0	...	
Hazareebagh.																					

ived.

of able-bodied laborer who carries loads in the bazar is Rs. 6-8.

the interior the prices range as follow:—Wheat 8 to 14 seers, best rice 13 to 15 seers, common rice 16 to 20 seers, and gram 16 to 20 seers.

the interior the prices range as follow:—Wheat 19 to 24 seers, barley 36 to 40 seers, best rice 12 seers, common rice 18 to 22-3 seers, lesser millate 30 to 40 maize or Indian corn 23 to 32-8 seers, and gram 21 to 35 seers.

Published for general information.

A. MACKENZIE,  
Offg. Secy. to the Govt. of Bengal.

[illegible]

### Western Districts.

Central Districts.

BEHAR.

South-Western Frontier Agency.

Other

In the interior the prices range as follow :—Wheat 13 to 15 seers, barley 26 to 30 seers, best rice 8 to 8-8 seers, common rice 11 to 14-8 seers, and gram 16

The 17th July 1877.

of Bengal for the Fortnight ending 15th July 1877.

OF 80 TOLAHS.

AVERAGE WAGES PER MONTH.

INDIAN- LABOUR.			GRAM.			FIREWOOD.			SALT.			ABLE-BODIED AGRICULTURAL LABOURER.			STON OR HORSE- KEEPER.			COMMON MASON, CARPENTER, OR BLACKSMITH.			DISTRICTS.
Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	Present return.	Next preceding return of last year.	
Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	Ch. S.	
...	...	18 0	16 0	26 0	120 0	120 0	120 0	9 4	9 0	9 0	6 8	6 0	6 0	5 0	11 4	7 8	9 8	...	...	...	Burdwan.
...	...	35 0	16 0	21 0	400 0	400 0	480 0	8 8	8 8	8 12	2 12	3 0	3 0	4 0	4 0	4 0	7 8	7 0	7 0	...	Bankoora.
...	...	13 0	14 0	18 0	280 0	280 0	180 0	9 4	9 0	9 0	4 0	6 0	4 3	5 0	5 0	5 0	7 8	6 0	4 0	...	Midnapore.
...	...	18 0	18 0	26 0	120 0	120 0	120 0	9 0	9 0	9 0	6 8	6 0	6 8	5 0	5 0	5 0	7 8	7 8	7 8	...	Hooghly.
...	...	14 0	16 0	22 8	110 0	120 0	120 0	10 0	10 0	9 12	7 0	8 0	7 0	7 0	7 0	7 0	12 0	12 0	12 0	...	Howrah.
Central Districts.																					
...	...	24 0	15 0	18 0	100 0	100 0	120 0	8 0	8 0	8 0	11 6	11 6	9 8	6 8	6 0	6 0	15 0	14 0	15 8	...	Calcutta.
...	...	31 6	21 5	30 8	120 0	140 0	100 0	9 8	9 8	9 2 1/2	...	...	...	...	...	...	...	...	...	...	Mudden.
...	...	19 4	20 0	28 0	120 0	120 0	120 0	8 0	8 0	8 0	7 8	7 8	7 8	6 0	5 0	5 0	10 0	8 0	10 0	...	Jessore.
BEHAR.																					
...	...	31 0	27 0	30 0	140 0	140 0	160 0	8 0	8 0	8 0	3 0	3 0	3 0	4 0	4 0	4 0	6 10	5 10	6 10	...	Patna.
...	...	30 0	27 0	27 8	160 0	160 0	160 0	8 0	8 0	8 0	3 8	2 8	2 8	4 0	4 0	4 0	6 0	6 0	6 0	...	Saran.
CHOTA NAGPORE																					
South-Western Frontier Agency																					
...	...	24 8	26 8	28 0	240 0	240 0	240 0	8 0	7 0	7 0	4 0	4 0	4 0	5 0	5 0	5 0	8 0	8 0	8 0	...	Hazareebagh.

received.

Pay of able-bodied laborer who carries loads in the bazar is Rs. 8-8.

In the interior the prices range as follow:—Wheat 8 to 14 seers, best rice 12 to 15 seers, common rice 16 to 20 seers, and gram 18 to 20 seers.

In the interior the prices range as follow:—Wheat 19 to 24 seers, barley 26 to 40 seers, best rice 12 seers, common rice 18 to 22-8 seers, lesser millets 30 to 40 seers, maize or Indian corn 23 to 23-8 seers, and gram 21 to 25 seers.

Published for general information.

A. MACKENZIE,  
Offg. Secy. to the Govt. of Bengal.



# Rainfall, Weather, and State and Prospects of the Crops.

Statement showing Rainfall, Weather, and State and Prospects of the Crops in the different Districts of Bengal, as reported to Government during the week ending the 14th July 1877.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BENGAL.</b>			
<i>Western Districts.</i>			
<b>BURDWAN DIV.</b>	1 Burdwan, July 16 <sup>th</sup> '77	2.33	The rainfall at Calna has been 3.08 inches, at Cutwa 6.84 inches, at Bood-Bood 3.28 inches, at Jehanabad 5.10 inches, and at Ranesgunge 3.49 inches. The cultivation of paddy is progressing favourably.
	2 Bankoora, „ 14 „	3.97	General rain has fallen throughout the district during the week. It has removed all present apprehensions. The rice seedlings are being transplanted in all directions.
	3 Beerbhoom, „ 14 „	3.10	Weather—Seasonable and satisfactory. There has been a sufficient fall of rain all over the district during the week. The state and prospects of the young rice are now everywhere good.
	4 Midnapore, „ 14 „	2.99	Weather—Raining every day. The state and prospects of the crops are as good as can be desired.
	5 Hooghly, „ 14 „	2.70	Weather—Cloudy and rainy. Strong wind on the 12th instant. Transplantation of late rice is going on. Early rice, jute, <i>sone</i> , sugarcane, and other crops are doing well. The mango harvest is over. Public health is good. Cattle disease still continues in one village in thana Bullagur.
	Howrah, „ 14 „	2.04	Rain fell during the greater part of Saturday. The rain which has fallen will greatly facilitate the ploughing and sowing which are now going on.
<i>Central Districts.</i>			
<b>PRESIDENCY DIV.</b>	6 24-Pergunnahs, July 16 <sup>th</sup> '77	2.57	Weather—Rainy and windy. The prospects of early rice and jute are good. Transplantation of <i>aman</i> , or late rice, is progressing satisfactorily. Public health is generally good.
	7 Nudda, „ 14 „	2.90	Weather—Frequent rain. Rice, both early and late, is very promising. The weather during the week has been too wet for indigo at its present stage.
	8 Jessore, „ 14 „	1.80	Weather—Rainy. Indigo is doing well, and the rice crops are very promising.
	9 Moorshedabad, „ 14 „	3.04	Weather—Seasonable. The prospects of the crops are good, except in the Jungypore sub-division, where only 1.38 inches of rain were registered up to 13th instant, and more is much wanted.
<b>RAJSHAHY AND COOCH BEHAR DIV.</b>	10 Dinapore, „ 13 „	6.06	Weather—Heavy rain during several days of the week followed by great heat, but less rain than there should be. 2.99 inches registered at Roygunga. The prospects of <i>dhadoi</i> rice, jute, sugarcane, and maize are at present very good.
	11 Rajshahye, „ 14 „	.46	Weather—Cloudy and cool; strong south-west breezes in the latter half of the week. There has been a moderate rainfall in all parts of the district. The prospects of the rice and jute crops are good. The late heavy rains have submerged the autumn and winter rice in the low lands. The river Ganges is rising rapidly.
	12 Bungepore, „ 13 „	10.08	Weather—Very wet in the commencement of the week; after that warm and close; but for the last two days a high easterly wind has cooled the atmosphere. 7.66 inches registered at Gaibanda and 4.58 inches at Kprigram. The heavy rain in the beginning of the week has done much good as regards cultivation. <i>Aow</i> is being reaped and <i>aman</i> vigorously transplanted. The state and prospects of the crops are very good. Public health on the whole is good.
	13 Bogra, „ 14 „	1.61	Weather—Cloudy. The crops are all in good condition. Jute and <i>oil</i> seed have not yet completely been cut.
	14 Pubna, „ 14 „	1.24	Rain fell heavily in the first part of the week, which has done good to the crops. Weather unsettled during the last three days. State and prospects of the crops are favourable. The rivers are rising gradually. Cholera has entirely disappeared, but fever is rather prevalent.
	15 Darjeeling, „ 13 „	3.42	There has been rather less rain than is usual at this time of the year. In the Terai it has been very much less than it generally is. All the crops are progressing favourably, but in the Terai some uneasiness is felt owing to the deficiency of rain during the week.

\* Telegram of the 16th July shows rainfall during the seven days immediately preceding.

† Report of the 16th July shows rainfall during the seven days immediately preceding.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
BENGAL.—(Continued.)			
Central Districts.			
RAJSHYH AND COOCH BEHAR DIV.	16 Julpigoree, July 14 '77	05	The rainfall of the week is very slight and inadequate. More rain is urgently required. Weather cooler. The <i>haimanti</i> rice seedlings throughout the district are in great peril for want of rain, particularly in thanas Boda and Julpigoree. The <i>bhadoi</i> crop is promising everywhere, except in Boda and Mynagori. Jute is likely to do well.
	Cooch Behar, „ 12 „	2.66	Rainfall is still deficient. Frequent clear and almost cloudless skies. Heat considerable whenever wind drops. 5.56 inches of rain registered at Dinhatta, 2.60 inches at Mekligunge, and 2.26 inches at Mathabhanga. There is still cause of anxiety as to the prospects of <i>aman dhan</i> . What rain fell has not been sufficient for agricultural wants. The failure, however, will be only partial, provided there be good rain any time this month. Public health ■ exceptionally good so far this year.
Eastern Districts.			
DACCA DIV.	17 Dacca, July 16 '77	2.16	Weather—Seasonable. The crops are in a good state. A little jute has begun ■ come in the market.
	18 Furreedpore „ 14 „	.71	Weather—Rainy, with a strong wind from the east. 11.33 inches registered at Madaripore. The prospects of the crops are good. <i>Aous</i> rice is being cut in some places.
	19 Backergunge, „ 12 „	9.13	Rain has fallen in the district generally, and the state and prospects of the crops are good. Disease among cattle is reported from thanas Mirzagunge and Motbaria.
	20 Mymensingh, „ 13 „	1.93	Weather—Rainy, and sultry in the intervals of the showers. State and prospects of the crops are good.
	21 Tipperah, „ 13 „	6.08	Weather—Seasonable. 5.52 inches of rain registered at Brahmunbaria. The state and prospects of the autumn and winter rice crops are good, except in thana Thallah and the sub-division of Brahmunbaria, where more rain is wanted.
CHITTAGONG DIV.	22 Chittagong, „ 12 „	3.31	Weather—Cloudy, with rain and strong wind at intervals. The prospects of the crops are favourable.
	23 Noakholly, „ 12 „	4.16	Weather—Seasonable. A very high and stormy south-east wind has been blowing since 11th instant. The prospects of early rice are fair. Transplantation of late rice has begun. Fever is still prevalent.
	24 Chittagong Hill Tracts, „ 10 „	5.12	Weather—Cloudy, with occasional falls of rain throughout the week. The paddy and cotton plants in the <i>jooms</i> are thriving well. In some places Indian corn has become fit for eating, and this is a great help to the <i>joomeas</i> , whose stock of paddy has been exhausted.
	Hill Tipperah, „ 11 „	2.35	Heavy rains still hold off. Transplantation of late rice is somewhat delayed for want of sufficient rain. Fever is prevalent.
BEHAR.			
PATNA DIV.	25 Patna, July 16 '77	.86	Weather—Hot and close. Rain is much wanted for all crops. Health of the district is good.
	26 Gya, „ 14 „	1.75	The weather usual in the rainy season commenced on the 10th instant, and has continued. 1.82 inches of rain registered at Nowada, 1.09 inches at Jehanabad, and 1.61 inches at Aurungabad. More rain is required, especially in the southern parts of the district. Much injury has been done by grasshoppers bred in the fields by the scanty rain in the middle of June and its subsequent cessation. Prices which had risen about 12 per cent. have fallen again since the 10th instant. Public health is good.
	27 Shahabad, „ 14 „	1.60	Weather—Cloudy, with strong east wind. The agriculturists are hard at work in sowing the <i>therac</i> crops. The rains have apparently set in, and the prospects are favourable. Sugarcane is doing well.
	28 Darbhunga, „ 14 „	.89	The week has been cloudy, with strong winds and slight showers. In the north the rain has been heavier than in the centre or south of the district, but generally the rainfall hitherto has been insufficient. The <i>bhadoi</i> crop was not been fully sown, and what has been sown is not very flourishing. The <i>dhan</i> crop is backward, and the indigo outturn will not justify the promise of a month ago. The district during the week has been visited by enormous clouds of locusts, which however did not do as much damage as was apprehended. Cholera in the town of Darbhunga is less prevalent than it was a week ago.

\* Telegrams of the 16th July show rainfall during the seven days immediately preceding.

No.	District, and date of return.	Rainfall at Sudder Station in inches.	Character of the weather, state and prospects of the crops, and state of health at date.
<b>BEHAR.—(Continued.)</b>			
PATNA DIV.	29 Mozufferpore, July 13 '77	·80	Weather cool and cloudy, with strong east wind. At Mozufferpore the rainfall has been extremely scanty, only ·80 of an inch registered during the week, but it is believed to have been greater at a few places in the interior of the sub-division. There is much land yet remaining to be sown with <i>bhadoi</i> crops, and the transplanting of rice seedlings has not commenced. Heavy rain is much wanted. In the Hajipore sub-division the rainfall has been 2·34 inches, and the crops are doing well. In the Sectamurhee sub-division a good fall of rain is reported in the north, but in Sectamurhee (·83 of an inch) and south scarcely any rain has fallen. <i>Bhadoi</i> crop is still in good condition. Rice sowing is still delayed. Some cholera is reported in Shewhur, Sectamurhee, and Belsund, and some cattle disease in Majorgunge.
	30 Saran, „ 14 „	2·74	The rains have set in. The temperature is much lower, with damp east wind. There has been slight rain in most parts of the district, but heavy rain is wanted. 1·21 inches registered at Sewan. The <i>bhadoi</i> sowings are in progress in some places. Indian corn has germinated well. The seedlings of paddy have come up well in the low lands. Indigo manufacture is going on. This crop has suffered considerably owing to the want of rain at a critical time. It is hoped that the outturn will still be good, but it is not the bumper crop hoped for till quite lately.
	31 Champaran, „ 14 „	1·16	Weather—East winds generally prevailed with great heat. A flight of locusts passed over the district on the afternoon of the 7th instant. They came from the east and took a north-west direction. No great damage is reported. The rainfall of the week has been altogether insufficient. The want of rain is beginning again to be seriously felt. Cholera has somewhat abated.
BHAGALPORE DIV.	32 Monghyr, „ 14 „	·90	Some falls of rain, but not yet sufficient. Weather otherwise hot; 1·04 registered at Begu Serei and ·73 at Jamui. Rain is wanted in the rice tracts. The <i>bhadoi</i> crops will do.
	33 Bhagulpore, „ 16 „	2·01	Weather—Showery, with high wind.* There has been more rain in the south than in the north. Prospects are generally favourable, except in the north-west of Naradigur; but heavier rain is wanted everywhere.
	34 Purneah, „ 14 „	1·79	Weather—Stormy. ·59 of an inch of rain registered at Kiasungunge and ·55 of an inch at Arrareah. It is stated that the <i>bhadoi</i> crop has suffered from drought, but the Collector believes that during the last two days sufficient rain has fallen to save most part of it. The indigo season is good.
	35 Maldah, „ 14 „	2·37	Weather—Seasonable. The rain of the last two weeks has somewhat revived the damaged <i>dhan</i> , and the state and prospects of other crops are satisfactory on the whole.
	36 Sonthal Pergas, „ 15 „	2·29	Weather—Rain alternating with bright sunshine. 2·13 inches registered at Godda, 1·33 inches at Deogbur, and 1·6 inches at Rajmehal. The sub-divisional reports are all good. Transplantation of rice has begun. <i>Janera</i> looks healthy.
<b>ORISSA.</b>			
ORISSA DIV.	37 Cuttack „ „ „	.....	Return not received.
	38 Pooree „ „ „	.....	Return not received.
	39 Balasore, July 13 '77	14·68	Light and drizzling rains in the early part of the week. Stormy weather on the 12th, with a fall of twelve inches. High flood in the Burabullung river, and postal communication with the north suspended. Weather brighter, and rain stopped at the time of report. The crops will not be injured. Public health is good.
<b>CHOTA NAGPORE.</b>			
<i>South-West Frontier Agency.</i>			
40 Hazareebagh, July 13 '77		1·36	Weather—Showers almost continually since the 10th instant. The slight rain that has fallen has improved the prospects of the crops, but more is still required.
41 Lohardugga, „ 14 „		2·71	Weather—Seasonable in the head-quarters sub-division, but very unseasonable in Palamow, where only ·43 of an inch of rain was registered up to 10th instant. In the head-quarters sub-division the state and prospects of the crops are favourable. The winter rice crop (broadcast sowings) has reached the stage at which it is ploughed into the ground to make it put out more stems. In Palamow want of rain has prevented sowings for the <i>bhadoi</i> crop, but in parts where it has been sown it is being burnt up by heat. Heavy rain this week will be in time.
42 Singbhoom, „ 13 „		4·02	Weather—Seasonable. The state and prospects of the crops are very favourable. The district is healthy.
43 Manbhoom, „ 14 „		5·28	Weather—Seasonable. The crops are all flourishing.

\* Telegram of the 16th July shows rainfall during the seven days immediately preceding.

Published for general information.

## Weekly Report of Rainfall compiled at the Meteorological Reporter's Office.

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th June to 30th June 1877.	Rain from 1st to 7th July 1877.	RAIN FROM 1st JANUARY 1877.		REMARKS.	
					Inches.	Up to date.		
BENGAL.								
BURDWAN.	WESTERN DISTRICTS.		Inches.	Inches.	1877.			
	Burdwan	Burdwan	2.32	0.97	17.44	7th July		
		Cutwa	2.99	Not recd.	22.90	30th June		
		Culina	3.87	3.80	23.89	7th July		
		Bood-Bood	1.49	2.32	14.61	ditto		
		Kanergunga	4.24	0.81	14.45	ditto		
		Jehanabad	5.43	5.56	29.23	ditto		
	Bankoora	Bankoora	3.73	0.69	15.68	ditto		
	Beerbhoom	Sooree	2.95	1.70	15.55	ditto		
		Hetampora	2.77	1.43	18.49	ditto		
		Koypore	2.99	2.61	17.45	ditto		
	Midnapore	Midnapore	5.63	0.70	25.20	ditto		
		Turnlook	1.27	0.77	15.29	ditto		
		Ghattal	3.21	2.43	22.58	ditto		
	Hooghly	Dy. Collr.'s Office	4.39	2.13	23.78	ditto		
		Contai	Rce. Engr.'s Office	4.07	1.57	22.66	ditto	
		Hooghly		1.16	4.68	26.05	ditto	
		Serampore	1.22	2.59	24.26	ditto		
	Howrah	Howrah	0.84	3.00	22.93	ditto		
Maheshrekha		1.29	2.58	21.53	ditto			
PRESDUNCT.	CENTRAL DISTRICTS.							
	24-Pergunnahs	Saugor Island	5.10	1.40	27.04	ditto		
		Calcutta	0.89	2.76	21.01	ditto		
		Alipore { Dispensary	0.57	3.63	23.78	ditto		
		{ Jail	1.97	3.51	23.27	ditto		
		Bussamerhat	3.45	4.30	27.53	ditto		
		Baraset	1.78	2.83	24.02	ditto		
		Diamond Harbour	1.00	1.94	23.77	ditto		
		Barripore	2.07	2.68	24.63	ditto		
		Sarkhira	1.85	7.56	28.90	ditto		
		Barrackpore	1.63	4.77	25.88	ditto		
	Nuddea	Dum-Dum	1.02	4.15	20.54	ditto		
		Kishinagar	2.54	12.72	36.21	ditto		
		Kongong	2.90	14.02	34.46	ditto		
		Meherpore	1.02	9.15	33.80	ditto		
		Choudanga	1.17	7.82	33.33	ditto		
		Koomiten	2.38	10.80	37.69	ditto		
		Ranazhat	1.85	6.67	25.58	ditto		
		Jessore	1.18	4.79	29.30	ditto		
Narail		1.21	8.28	27.79	ditto			
Jessore		Khoulna	2.51	6.78	36.45	ditto		
	Jhenida	1.78	8.69	38.03	ditto			
	Bagrhat	2.30	10.90	42.46	ditto			
	Magoorah	3.51	7.04	37.81	ditto			
	Berhampore	1.58	5.81	21.27	ditto			
	Hampore Haut	2.80	2.11	17.23	ditto			
	Lalibagh	1.63	5.77	24.65	ditto			
	Moorshedabad	Jungpore	0.96	2.61	16.14	ditto		
	Azimnunge	0.87	4.31	17.72	ditto			
	Laligala	1.53	2.77	17.01	ditto			
RAJSHAHYE.	Kandee	2.31	5.13	20.90	ditto			
	Dinapore	Dinapore	1.16	1.36	25.94	ditto		
		Raigunge	Nil	2.89	24.99	ditto		
	Maldah	Maldah	0.42	5.55	22.86	ditto		
		Chunchal	0.27	2.29	19.91	ditto		
	Rajshahye	Banesh	1.04	8.45	30.90	ditto		
		Natthre	0.99	15.92	37.84	ditto		
	Rungpore	Rungpore	0.17	10.94	43.86	ditto		
		Bhulanigunge	1.06	7.11	26.18	ditto		
	COOCH BEHAR.	Kurigram	0.40	5.49	39.23	ditto		
Bagdogra		Not recorded.		24.08	2nd June			
Bogra		2.02	6.08	29.59	7th July			
Bogra		Sherpore	0.77	4.51	25.83	ditto		
		Nowkhilla	0.85	5.85	24.78	ditto		
Panchbibi		Panchbibi	0.35	8.24	23.38	ditto		
		Halulya	0.80	9.70	26.37	ditto		
Pubna		Pubna	1.05	13.71	41.49	ditto		
		Serajunge	1.30	5.96	28.47	ditto		
Darjeeling		Darjeeling { Telegraph Office	5.00	2.75	33.77	ditto		
	{ Hospital	5.98	2.88	38.73	ditto			
Julpigore	Julpigore	1.11	2.74	41.05	ditto			
	B. dah	0.38	4.07	32.41	ditto			
	Dura—Civil Surgeon's Office	5.95	9.45	90.17	ditto			
	Titalya	1.35	2.80	37.30	ditto			
Cooch Behar Tributary States.	Cooch Behar	0.95	4.75	45.30	ditto			

DIVISIONS.	DISTRICTS.	STATIONS.	Rain from 24th to 30th June 1877.	Rain from 1st to 7th July 1877.	RAIN FROM 1st JANUARY 1877.		REMARKS.
					Inches.	Up to date.	
BENGAL—(Continued).							
Dacca.	EASTERN DISTRICTS.		Inches.	Inches.	1877.		
	Dacca	Dacca... { Telegraph Office... Hospital	1'23 1'02	3'83 3'43	37'99 41'60	7th July ditto	From 4th February 1877.
		Moonshergunge	0'96	5'23	66'70	ditto	
		Manickgunge	1'64	8'54	36'75	ditto	
	Farradpore	Farradpore	1'63	17'06	50'12	ditto	
		Goolundo	2'45	9'73	38'93	ditto	
		Madaripore	4'18	11'98	50'19	ditto	
	Backergunge	Burriat	4'06	7'98	53'85	ditto	
		Perospore	11'75	17'87	54'36	ditto	
		Patookhally	8'09	9'56	54'54	ditto	
	Bhola	7'12	9'63	48'53	ditto		
	Mymensingh	Mymensingh	1'54	3'28	34'94	ditto	
		Jamulpore	0'32	2'26	36'79	ditto	
		Atin	0'70	4'33	33'79	ditto	
		Kishoregunge	0'96	3'85	37'24	ditto	
	Chittagong	Chittagong { Telegraph Office Jail	3'39 3'06	5'30 4'91	40'40 37'08	ditto ditto	
Cox's Bazar		7'39	11'65	49'57	ditto		
Noakholly	Noakholly	7'39	8'08	50'98	ditto		
	Fenny	5'46	8'87	54'37	ditto		
Tipperah	Comillah	3'09	4'03	45'59	ditto		
	Brahmunbariah	0'54	4'34	42'84	ditto		
Chittagong Hill Tracts	Rongamates Hill	1'55	3'20	36'31	ditto		
Hill Tipperah	Hill Tipperah	0'67	3'09	39'04	ditto		
BEHAR.							
PATNA.	Patna	Patna	0'21	4'44	13'65	ditto	Not recorded 18th to 24th Feb. Ditto 12th Jan. and 4th to 10th February.
		Behar	0'84	4'98	19'34	ditto	
		Barh	0'69	7'06	19'52	ditto	
		Dinapore { Jail Cantonment	Nil 0'33	2'73 2'73	8'44 8'24	ditto ditto	
	Gya	Gya	0'11	2'45	18'29	ditto	
		Nowadah	0'25	5'65	19'87	ditto	
		Aurangabad	Nil	1'73	14'71	ditto	
		Jehanabad	Nil	1'38	12'41	ditto	
	Shahabad	Arrah	Nil	3'76	15'50	ditto	
		Sasaram	0'20	1'95	10'98	ditto	
		Buxar	Nil	2'14	10'01	ditto	
		Bhuboah	2'20	1'70	9'81	ditto	
	Muzafferpore	Muzafferpore	Nil	0'06	6'24	ditto	
		Hajepore	0'40	5'01	12'76	ditto	
		Beetamurhee	0'54	1'73	11'99	ditto	
	Darbhanga	Darbhanga	Nil	2'21	11'62	ditto	
		Mudhoobunnee	Nil	1'11	9'25	ditto	
		Tajpore	Nil	2'20	9'49	ditto	
	Sarus	Chupra	Nil	2'53	11'43	ditto	
		Sowan	0'47	4'33	18'27	ditto	
	Champaran	Motiharee	0'12	0'54	9'50	ditto	
		Bettiah	0'35	3'13	17'59	ditto	
		Segowlie	1'26	1'70	15'40	ditto	
	Monghyr	Monghyr	0'08	1'44	12'12	ditto	
		Begumrae	Nil	5'46	13'55	ditto	
		Jamsoes	0'49	1'26	12'69	ditto	
	Bhagalpore	Bhagalpore	0'11	3'20	18'95	ditto	
		Soopool	0'42	9'13	18'37	ditto	
		Muddehpootra	0'30	2'60	13'19	ditto	
		Baika	0'55	0'58	12'13	ditto	
		Sonburna	Nil	2'24	12'78	ditto	
	Purneah	Purneah	0'32	2'63	17'69	ditto	
		Kiesengunge	0'11	1'72	20'64	ditto	
		Arrareah	Nil	1'45	17'33	ditto	
	Sonthal Pergunnahs	Nya Doomka	3'29	3'91	22'20	ditto	
		Rajmahal	1'30	2'10	18'60	ditto	
		Deoghur	1'96	Not recd.	17'06	30th June	
		Godda	0'16	0'99	10'47	7th July	

Division.	DISTRICTS.	STATIONS.	Rain from 24th to 30th June 1877.	Rain from 1st to 7th July 1877.	Rain from 1st JANUARY 1877.		REMARKS.
					Inches.	Up to date.	
ORISSA.	Cuttack	Cuttack... { Telegraph Office	3'30	0'50	17'20	7th July	
		Cuttack... { Hospital	3'45	0'80	18'04	ditto	
		Jajpore	3'30	0'30	31'80	ditto	
		Kendraparah	4'70	0'80	32'10	ditto	
		Jagatsingapore	3'50	0'30	13'55	ditto	
		False Point	4'40	Not recd.	40'30	30th June	
	Poores	Poores	3'01	2'45	16'57	ditto	
		Khurda	2'87	1'55	19'32	ditto	
	Balasore	Balasore... { Exe. Engr.'s Office	10'23	3'25	25'33	7th July	
		Balasore... { Collector's Office	9'10	2'11	25'34	ditto	
		Bhadrach	8'53	0'50	31'55	ditto	
		Jalasore	3'23	2'01	25'73	ditto	
		Sorah	8'53	1'37	26'42	ditto	
		Chandbailly	4'11	1'40	23'00	ditto	
	Cuttack Tributary Mahals	Sambalpure	14'03	Not recd.	25'06	30th June	
CHOTA NAGPORE.							
SOUTH-WESTERN FRONTIER AGENCY.							
Hazaribagh	Hazaribagh... { Jail	Hazaribagh... { Dispensary	3'58	1'06	17'69	7th July	
			3'53	1'15	19'33	ditto	
	Pachamba		1'36	3'23	15'14	ditto	
Leharidugga	Ranchee	4'51	1'39	23'06	ditto		
	Palamow	0'65	1'03	18'53	ditto		
Singbhoom	Chyabataan	3'61	3'34	31'07	ditto		
Manbhoom	Paruliah	3'01	0'52	24'20	ditto		
	Govindpore	3'74	0'31	13'70	ditto		
ASSAM & ADJACENT HILLS.							
Sylhet	Sylhet	3'59	2'30	61'11	ditto		
	Sibsagar	4'59	Not recd.	32'94	30th June		
	Golaghat	1'59	ditto	36'25	ditto		
	Jorhat	2'34	ditto	32'19	ditto		
	Deopanie	2'62	ditto	37'21	ditto		
	Hattie Pootie	2'08	ditto	36'08	ditto		
	Mazengah	2'59	ditto	30'19	ditto		
	Nazira	4'56	ditto	32'23	ditto		
	Suntook	3'75	ditto	37'71	ditto		
	Cherideo	3'58	ditto	38'57	ditto		
	Akyab	11'30	6'50	61'11	7th July		
RAJPOOTANA	Alwar	Not recorded.		Nil	30th May		
	Jaipur	3'00	6'16	7'57	7th July		
	Sambhar	1'57	Nil	4'59	ditto		

CALCUTTA.  
The 14th July 1877.

JOHN ELIOT, M.A.,  
Meteorological Reporter to the Govt. of Bengal.

## Meteorological Telegraphic Report for the period 8th to 14th July 1877.

STATIONS.	Date	Hour.	Barometer reduced to 32°.	Barometer reduced to sea-level.	HYGROMETER.		Humidity Sat. = 100.	WIND.		Rain.	Clouds.	Weather initials.
					Dry.	Wet.		Direction.	Velocity.			
CALCUTTA.	July 8th	10	29.629	29.648	82.3	78.0	82	E by N	6.5	0.56	.....	o
	16	10	29.582	29.590	85.4	81.2	82	S by W	6.0	.....	.....	o
	9th	10	29.630	29.648	85.3	78.7	74	W S W	12.3	0.03	CS	o
	16	10	29.583	29.591	89.0	82.2	64	N W	9.8	.....	X	o
	10th	10	29.573	29.592	88.8	81.2	89	S W	1.6	0.81	.....	o, d
	16	10	29.484	29.496	88.3	82.7	79	E	3.3	.....	.....	o
	11th	0	29.542	29.560	85.8	80.9	80	E by N	5.6	.....	.....	o
	16	10	29.434	29.453	82.8	79.2	85	S	5.3	0.55	.....	o
	12th	10	29.380	29.379	81.8	80.0	93	N N E	13.0	0.11	.....	o
	16	10	29.304	29.323	81.6	78.9	89	E by N	16.2	0.20	.....	o, clouds
	13th	10	29.521	29.540	80.3	78.7	93	N E	7.8	0.38	.....	o, clouds d
	16	10	29.475	29.494	83.8	79.3	81	S E by S	7.7	0.04	.....	o
	14th	10	29.570	29.589	84.3	80.5	84	S	7.0	0.41	.....	o
	16	10	29.526	29.544	87.3	81.2	76	S	14.0	0.23	K, C	o
SALTOR ISLAND.	July 8th	10	29.650	29.656	83	79	83	S S E	5.6	0.50	P	o, p
	16	10	29.591	29.597	86	82	84	S S W	12.2	.....	P	m, o
	9th	10	29.658	29.684	84	79	79	W N W	18.7	0.40	P	o, m
	16	10	29.553	29.559	88	83	80	W S W	14.7	.....	PK	o
	10th	10	29.578	29.584	89	82	91	S W	10.0	1.30	P	m, o
	16	10	29.492	29.498	83	81	91	W S W	24.3	0.20	PK	d, a
	11th	10	29.549	29.556	84	82	91	N N W	7.2	.....	P	o
	16	10	29.457	29.463	81	80	98	S W	6.7	0.40	P	b, m
	12th	10	29.386	29.372	81	80	98	N N W	17.2	7.70	P	o, r
	16	10	29.290	29.296	81	80	98	S W	22.0	0.20	PK, P	o, r
	13th	10	29.539	29.545	83	78	79	S S W	18.2	0.70	P, PK	o
	16	10	29.489	29.488	88	80	87	S	23.1	0.10	P, PK	m, op
	14th	10	29.605	29.621	86	82	84	S	17.5	0.40	PK	b, m, m
	16	10	29.646	29.652	86	81	80	S S W	19.6	.....	PK	b, m
CHITTAGONG.	July 8th	10	29.598	29.600	83	79	83	E S E	7.6	0.60	PK	o
	9th	10	29.593	29.595	86	81	80	S S E	7.0	1.80	C	v
	10th	10	29.504	29.598	86	81	80	S	5.9	.....	PC	b, v
	11th	10	29.489	29.581	87	80	72	E	5.2	.....	K	v
	12th	10	29.544	29.586	84	79	79	E	12.2	0.10	C, FK	b, v
	13th	10	29.591	29.683	87	81	76	S E	10.8	.....	PK, K	o
	14th	10	29.710	29.809	87	81	76	S S E	3.7	.....	PC	o
MADRAS.	July 7th	10	29.822	29.844	98	74	38	N W by W	12	.....	.....	o
	16	10	29.898	29.790	94	79	49	E	8	.....	.....	do
	8th	10	29.825	29.847	95	77	42	W N W	11	.....	.....	o
	16	10	29.729	29.751	90	78	66	S E	11	.....	.....	o
	9th	10	29.806	29.828	96	77	40	N W by W	11	.....	.....	do
	16	10	29.718	29.735	93	78	49	E by S	8	.....	.....	do
	10th	10	29.833	29.855	93	74	38	W A W	13	.....	.....	o
	16	10	29.717	29.799	98	72	24	W N W	10	.....	.....	o
	11th	10	29.812	29.834	94	74	36	W N W	7	.....	.....	o
	16	10	29.716	29.737	92	76	45	N E	16	.....	.....	o
	12th	10	29.780	29.802	94	72	31	W N W	16	.....	.....	cloudy
	16	10	29.684	29.706	89	74	47	S E by S	11	.....	.....	cloudy
	13th	10	29.779	29.801	93	74	38	W by N	13	.....	.....	cloudy
	16	10	29.590	29.648	87	78	58	S S E	16	.....	.....	cloudy
CUTTACK.	July 8th	10	29.626	29.708	85	79	76	S E	4.3	.....	PK, C	o
	9th	10	29.624	29.708	87	81	76	E N E	3.1	.....	CK, PK	o
	10th	10	29.558	29.638	85	79	76	N	4.1	.....	P, C	o
	11th	10	29.540	29.623	79	77	91	W	4.7	1.90	P, PC	o, r
	12th	10	29.483	29.546	78	76	91	S W	3.9	1.40	P, C	o, d
	13th	10	29.388	29.466	79	74	78	S S W	8.5	1.70	PC	o, d, r
	14th	10	29.572	29.654	83	77	75	S S W	8.6	0.20	PC	o, d, r
ARUN.	July 8th	10	29.707	29.729	83	78	79	S S E	2.6	3.50	CK, N	o
	9th	10	29.667	29.689	84	80	83	S S E	3.2	0.10	CK, N	o
	10th	10	29.616	29.637	84	80	83	N W	3.0	1.40	CK, N	o
	11th	10	29.653	29.675	80	79	90	S	3.8	1.60	N	o
	12th	10	29.695	29.717	78	77	95	S	5.5	3.20	N	o
	13th	10	29.705	29.727	83	81	91	S	4.7	0.80	N	o
	14th	10	29.804	29.826	77	77	100	N E	3.4	2.80	N	o

\* Velocity of wind in miles per hour.

CALCUTTA.  
The 14th July 1877.JOHN ELIOT, M.A.,  
Meteorological Reporter to the  
Government of Bengal.

## Results of the Meteorological Observations taken at the Alipore Observatory from 8th to 14th July 1877.

Month.	Date.	Maximum in sun.	Mean pressure, barometer at 32° Fah.	TEMPERATURE.				HYGROMETRY.			WIND.		Rain.	WEATHER.
				Mean.	Maximum.	Range.	Minimum.	Mean wet bulb.	Vapour tension.	Dew point.	Humidity.	Prevailing direction.		
1877.			Inches.	°	°	°	°	°	Inch.	°			Inch.	
July	8th	120.5	29.615	81.0	86.0	8.7	77.3	78.2	0.919	76.7	85	Till 4½ A.M. S.W., veered to N. through W., till 9 A.M. W. through N.W., till noon E. through N., till midnight S. through S.E.	160	Nil Cloudy o & g.
"	9th	140.0	29.608	81.0	92.7	19.1	73.0	77.9	0.903	76.1	83	Till 5 P.M. W.N.W. through W., till 9 P.M. S. through N. & E., till midnight S. by W.	166	0.17 Morning cloudy, noon and afternoon till 4½ P.M. partially cloudy, night cloudy, t at 6-50 P.M., l at 7 P.M., rain at 7-30 P.M. o & g.
"	10th	141.2	29.547	82.0	88.2	11.0	77.2	80.1	1.001	79.2	91	Till 11 A.M. S.W., till 4½ P.M. S. through W.N. & E., till midnight N.W. through W.	86	0.13 Cloudy, d at 4-47 P.M., t and l at 6-45 P.M., o & g.
"	11th	160.8	29.514	81.0	80.0	11.0	79.0	79.6	0.992	79.0	93	Till noon E.N.E. through N.E., till 4½ P.M. S. through E., till midnight N. by W. through W. & N.	117	0.44 Cloudy, t at 2-25 P.M., d at 4-20 P.M., rain at 5-6 P.M. and at 7 P.M., o & g.
"	12th	132.2	29.353	80.0	83.6	4.4	79.2	78.0	0.959	78.0	93	Till 11 A.M. N.N.E., till midnight S.E. by E., through E.	328	0.24 Cloudy, d and rain at intervals throughout the whole day, o & g. at 12-20.
"	13th	124.2	29.328	79.1	84.0	8.4	75.6	77.5	0.924	76.5	93	Chiefly S.E. by S.	190	0.84 Cloudy, d and rain at intervals throughout the whole day, p, o & g.
"	14th	152.9	29.455	82.0	88.0	11.4	76.6	79.2	0.958	77.9	87	Till noon S.S.E., till midnight S.	146	0.60 Cloudy till 5 P.M., rain and d at intervals, o & g. night clear.

The mean pressure of the seven days ...

The average pressure of the corresponding period for 20 years ...

The mean temperature of the seven days ...

The average temperature of the corresponding period for 20 years ...

The extreme variation of temperature during the seven days ...

The maximum temperature during the seven days ...

The mean humidity during the seven days ...

The average humidity of the corresponding period for 24 years ...

The total fall of rain from 8th to 14th July ...

The average fall of the corresponding period for 24 years ...

The total fall from 1st January to 14th July ...

The average fall of the corresponding period for 24 years ...

The mean pressure, temperature, &c., are deduced from observations made at 6h., 10h., 16h., and 22h.; the maximum and minimum temperatures from self-registering thermometers. All the thermometers are verified, and the readings have been corrected to a standard constructed and verified at the Kew Observatory. They are exposed under a thatched shed open at the sides, and are suspended four feet above the ground.

The barometer readings are corrected approximately to those of the standard (Newman's No. 86) at the Surveyor-General's Office.

The hygrometric elements are obtained from tables III, IV, and V of the official tables computed in the Meteorological Office, and based on Regnault's modification of August's formula.

The direction and movement of the wind are taken from the trace of Beckley's anemograph.

The mouth of the rain-gauge is one foot above the ground.

t thunder, l lightning, d drizzling, o overcast, g gloomy, p strong wind, p passing shower.

\* Fell since 7 P.M. of the 9th.

JOHN ELIOT, Meteorological Reporter to the Government of Bengal,  
for Meteorological Reporter to the Government of India.

METEOROLOGICAL OFFICE, INDIA, the 16th July 1877.



## PUBLIC WORKS DEPARTMENT, —BENGAL.

GENERAL ESTABLISHMENT.—No. 205.—The 15th July 1877.

Statement showing heights over mean sea-level and low water on Rivers Ganges, Bhagiruthee, and Brahmapootra during the month of June 1877.

Date.	Miles.	RIVER GANGES.										BRAHMAPOOTRA.			
		Banars.	Buxar.	Dinapore.	Monghyr.	Sahabganje.	Rampore Baulah.	Gondoulo.	Berhampore.	Kishnaghar.	Gowhatty.				
1st	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
2nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
3rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
5th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
6th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
7th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
8th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
9th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
11th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
12th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
13th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
14th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
15th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
16th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
17th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
18th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
19th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
20th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
21st	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
22nd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
23rd	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
24th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
25th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
26th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
27th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
28th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
29th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
30th	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

G. A. D. ANLEY, C.E.,  
Asst. Secy. to the Govt. of Bengal, P. W. Department.

## PUBLIC WORKS DEPARTMENT, IRRIGATION BRANCH.

RUBBER SEASON, 1876-77, COMMENCING ON THE 1st DECEMBER 1876.

## (Amended) Irrigation Operations of Lower Bengal during the month of February 1877.

Circle.	District.	Canal.	SUPPLY OF WATER IN THE CANALS.		DALWA RICE IRRIGATION.	TOBACCO, COTTON, HULDER, GINGER, WHEAT, AND GARDEN PRODUCE.	OIL SEEDS AND PULSES.		SUGARCANE AND OTHER CROPS.	RAINFALL.		REMARKS.
			Estimated full discharge in cubic feet per second.	Average discharge in cubic feet per second throughout the month.	Area leased up to the last of the month.	Area leased during the month.	Total area leased up to the end of the month.	Area leased up to the last of the month.	Area leased during the month.	Inches during rubber season.	Average of ten previous years for the same period.	
Orissa	Outback	{ Kendrapah Patamondoo Hish Level, Sec. I Toldundab Mattharong }	1,500	890	...	...	...	...	...	...	...	(a) The details are— Paddy ... Acres. 27 Cotton ... 1,000 Hulder ... 1,000 Ginger ... 1,000 Wheat ... 1,000 Garden produce ... 1,000 Oil-seeds ... 1,000 Pulses ... 1,000 Sugarcane ... 1,000 Brinjals ... 1,000 Plantains ... 1,000 Total ... 1,873
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	
South-Western.	{ Midnapore Howrah }	{ Midnapore Fanchikoorah }	...	...	...	...	...	...	...	...	...	(b) The details are— At the rate of Rs. 5 Sugarcane, at ... 5 Opium, at ... 5 Total ... 8,700
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	
Zone	{ Bhabhab Arrah Gya and Patna Pains }	{ Main Western Arrah Pains }	...	...	...	...	...	...	...	...	...	(c) The details are— At the rate of Rs. 5 Sugarcane, at ... 5 Opium, at ... 5 Total ... 8,700
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	
			...	...	...	...	...	...	...	...	...	

G. A. SEARLE, Col., S.C.,  
Asst. Secretary to the Govt. of Bengal,  
in the P. W. Dept., Irrigation Branch.

The 10th July 1877.

## Weekly Return of Traffic Receipts on Indian Railways.

## EAST INDIAN RAILWAY—JUBBULPORE LINK.

Approximate Return of Traffic for week ended 7th July 1877, on 223½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			TOTAL TRAFFIC RECEIPTS.	TRAIN MILES RUN.	
	No. of passengers.	Coaching receipts.		Weight carried.	Receipts.			Coaching.	Merchandise.
		Rs. A. P.	£ s. d.	Mds. Sr.	Rs. A. P.	£ s. d.	Rs. A. P.		
Total traffic for the week ...	5,583	13,775 8 0	1,262 15 1	2,28,290 0	55,061 10 0	5,047 6 4	68,837 2 0	4,756½	13,480½
per mile of railway ...	.....	61 9 1	5 12 10	.....	246 1 4	22 11 5	307 10 5	.....	.....
or previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	5,583	13,775 8 0	1,262 15 1	2,28,290 0	55,061 10 0	5,047 6 4	68,837 2 6	4,756½	13,480½
COMPARISON.									
Total for corresponding 8 days of previous year ...	4,911½	12,516 12 0	1,147 7 5	50,910 30	13,221 9 0	1,211 19 0	25,728 11 0	4,967	3,727
per mile of railway, corresponding period of previous year ...	.....	55 13 1	5 2 7	.....	59 1 5	5 8 4	115 0 6	.....	.....
Total to corresponding date of previous year ...	4,911½	12,516 12 0	1,147 7 5	50,910 30	13,221 9 0	1,211 19 0	25,728 5 0	4,967	3,727

## EAST INDIAN RAILWAY—MAIN LINE.

Approximate Return of Traffic for week ended 7th July 1877, on 1,279½ miles open.

		Rs. A. P.	£ s. d.	Mds. Sr.	Rs. A. P.	£ s. d.	Rs. A. P.		
Total traffic for the week ...	134,240½	1,45,468 5 6	13,366 8 11	13,06,523 30	6,26,538 12 0	57,432 14 4	7,72,027 1 0	44,478½	111,239½
per mile of railway ...	.....	113 11 0	10 6 6	.....	489 9 3	44 17 7	603 4 2	.....	.....
or previous weeks of half-year ...	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ...	134,240½	1,45,468 5 6	13,366 8 11	13,06,523 30	6,26,538 12 0	57,432 14 4	7,72,027 1 0	44,478½	111,239½
COMPARISON.									
Total for corresponding eight days of previous year ...	139,360	1,40,238 14 1	12,680 4 7	10,24,701 0	5,01,460 10 0	46,967 4 8	6,50,699 8 7	48,008	85,797
per mile of railway, corresponding period of previous year ...	.....	116 9 10	10 12 9	.....	391 13 6	35 16 5	505 7 4	.....	.....
Total to corresponding date of previous year ...	139,360	1,40,238 14 1	12,680 4 7	10,24,701 0	5,01,460 10 0	46,967 4 8	6,50,699 8 7	48,008	85,797

## EASTERN BENGAL RAILWAY.

Approximate Return of Traffic for week ended 7th July 1877, on 158½ miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts.
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. Sr.	Rs. A. P.	£ s. d.	£ s. d.
Total traffic for the week ... ..	33,663	21,534 6 9	1,974 1 8	1,91,743 38	42,266 12 8	3,874 9 0	5,848 11 8
per mile of railway ... ..	312	136 1 4	12 9 5	1,211 26	267 1 5	24 9 8	291 11 3
or previous weeks of half-year ... ..	.....	.....	.....	.....	.....	.....	.....
Total for the week ... ..	33,663	21,534 6 9	1,974 1 8	1,91,743 38	42,266 12 8	3,874 9 0	5,848 11 8
COMPARISON.							
Total for corresponding week of previous year ... ..	37,347	22,291 6 8	2,043 7 7	1,34,228 36	34,755 6 1	2,269 4 11	4,312 10 9
per mile of railway, corresponding week of previous year ... ..	236	140 13 10	12 16 8	861 1	156 6 11	14 8 10	175 10 1
Total to corresponding date of previous year ... ..	37,347	22,291 6 8	2,043 7 7	1,34,228 36	34,755 6 1	2,269 4 11	4,312 10 9

## CALCUTTA AND SOUTH-EASTERN STATE RAILWAY.

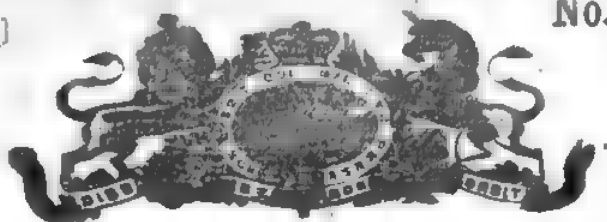
Approximate Return of Traffic for week ended 7th July 1877, on 28 miles open.

	COACHING TRAFFIC.			MERCHANDISE AND MINERAL TRAFFIC.			Total receipts
	Number of passengers.	Coaching receipts.		Weight carried.	Receipts.		
		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£
Total traffic for the week ... ..	8,781	1,374 0 0	137 8 0	14,580 0	400 0 0	40 0 0	178
per mile of railway ... ..	318	48 9 0	4 11 0	500 0	17 0 0	1 14 0	8
previous weeks of half-year ... ..	.....	.....	.....	.....	.....	.....	.....
Total for 1 week ... ..	8,781	1,374 0 0	137 8 0	14,580 0	400 0 0	40 0 0	178
COMPARISON.							
Total for corresponding week of previous year ... ..	8,748	1,331 4 6	133 3 6	12,403 30	398 6 8	39 6 9	168
per mile of railway, corresponding week of previous year ... ..	313	48 15 7	4 7 11	445 0	14 0 0	1 8 1	8
Total to corresponding date of previous year ... ..	8,748	1,331 4 6	133 3 6	12,403 30	398 6 8	39 6 9	168

## NALHATI STATE RAILWAY.

Approximate Return of Traffic for week ended 7th July 1877, on 27½ miles open.

		Rs. A. P.	£ s. d.	Mds. Strs.	Rs. A. P.	£ s. d.	£
total traffic for the week	2,105	951 0 0	95 3 0	10,316 0	677 0 0	67 14 0	103 1
per mile of railway	77	34 0 0	3 10 0	376 0	24 0 0	2 9 0	8 1
previous weeks of half-year							
Total for 1 week	2,105	951 0 0	95 3 0	10,316 0	677 0 0	67 14 0	103 1
COMPARISON.							
total for corresponding week of previous year	2,221	1,179 9 9	117 19 3	8,671 23	397 9 9	39 16 2	107 1
per mile of railway, corresponding week of previous year	83	48 4 7	4 8 7	361	10 14 8	1 1 10	8
total to corresponding date of previous year	2,221	1,179 9 9	117 19 3	8,671 23	397 9 9	39 16 2	107 1



# SUPPLEMENT TO The Calcutta Gazette.

WEDNESDAY, JULY 25, 1877.

## OFFICIAL PAPERS.

*Non-Subscribers to the GAZETTE may receive the SUPPLEMENT separately on payment of Six Rupees per annum if delivered in Calcutta, or Twelve Rupees if sent by Post.*

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### \*RESOLUTION ON THE ADMINISTRATION REPORT OF THE PORT COMMISSIONERS FOR THE YEAR 1876-77.

GENERAL DEPARTMENT.—MARINE.—CALCUTTA PORT TRUST.—No. 2086.  
*Calcutta, the 20th July 1877.*

#### READ—

The Administration Report of the Port Commissioners for the year 1876-77.

THE Commissioners divide their report into three sections, corresponding to the threefold character of the duties which under different Acts they now fulfil. These are—

- (1) The work of port improvement under Act V. (B.C.) of 1870.
- (2) The work of port conservancy and harbour management under Act XII of 1875.
- (3) The management of the Hooghly floating bridge under Act IX (B.C.) of 1871.

#### PORT IMPROVEMENT.

2. In connection with the operations of port improvement, the Commissioners had, up to the 31st March 1877, expended on new works the sum of Rs. 71,82,288. Of this they had raised Rs. 52,87,157 by loans from Government, and provided Rs. 18,20,517 from their current revenues, the balance being made up by a sum of Rs. 74,584 contributed by Government for the new Strand Road.

3. Up to the close of the year under review the total sum borrowed by the Commissioners from Government (though not all spent) was Rs. 53,24,100.

They had repaid of this from revenues Rs. 3,70,585, leaving a balance of Rs. 49,53,515 still due. They had paid as interest up to date Rs. 6,74,113.

4. The total profits of the Commissioners up to the end of 1876-77 aggregated Rs. 22,74,559, of which they had spent Rs. 17,87,706 on new works, and Rs. 3,70,585 in repayment of loans, the rest being devoted to the creation of a Jetty Reserve Fund and of an Insurance Fund against damage to goods at the jetties; and the cash balance.

5. During the year of report the Commissioners laid out on new works Rs. 9,77,430, expended as follows:—

	Rs.
On improving jetties	17,680
On new office building	1,27,116
On new machinery and plant	74,779
On extension of inland vessels' wharves, construction of tramway, and new river-side road	7,57,855

6. Their *net* revenue for the year in this department of their operations was Rs. 3,97,602, and their gross receipts (other than loans, &c., from Government) Rs. 11,06,034. The difference between the gross and net revenue represents outlay on establishments, interest, repairs and working expenses, &c.

7. The new river-side road and inland vessels' wharves were completed during the year of report, and the whole river-bank from Chandpal Ghât to the northern boundary of the Port, with the exception of the frontage of the East Indian Railway at Armenian Ghât and of the Eastern Bengal Railway at Chitpore, is now in the hands of the Commissioners.

8. The tramway to connect the inland vessels' wharves with the Eastern Bengal Railway has been completed as far as Armenian Ghât, and it is hoped that the difficulties in connection with carrying the line across the East Indian Railway Company's premises may shortly be settled, when there will be direct communication between the Eastern Bengal Railway and the whole line of import and export sheds. The moveable bridge across the canal at Chitpore will very soon be ready, and the trains will then run direct to the Eastern Bengal Railway station at Chitpore, instead of along the Municipal Railway as at present.

9. The other works carried out during the year were the completion of the new Burning Ghât, the pitching of the slope and improvement of the inland vessels' wharves, the extension of the jetty-heads to suit long steamers, the provision of additional engines and cranes, and the completion of the 30-ton floating crane. The new office building was also nearly finished.

10. The dredger was employed at the jetties and inland vessels' wharves for 192 days during the year, and dredged 2,471,500 cubic feet at a net cost of Rs. 22,868, or Rs. 9 25 per 1,000 cubic feet. All the berths in which silting had taken place were cleared out to a depth of 22 feet, and the jetties were thus fully utilised throughout the year.

11. The income and expenditure of the jetties for the last six years have been as follows:—

	Income.	Expenditure.
	Rs.	Rs.
1871-72	3,63,706	2,04,778
1872-73	4,09,440	2,43,911
1873-74	4,21,774	2,68,413..
1874-75	4,82,983	3,89,997
1875-76	5,44,880	3,70,758
1876-77	6,04,090	4,19,047

The net revenue, therefore, for 1876-77 amounted to Rs. 1,85,043, as against Rs. 1,73,622 in the previous year. There is a considerable increase in the expenditure under salaries and working expenses; but this is counterbalanced by enhanced receipts from shipping charges and overtime allowance: and the bulk of the increase under the head of working expenses consists of an exceptional charge of Rs. 25,702 for the value of 11 bales of raw silk accidentally lost in shipment. The Commissioners have done well to form an Insurance Fund to meet such losses.

12. In the Resolution on the Report for 1874-75, the attention of the Commissioners was drawn to the failure of the jetties to attract export cargo. The Lieutenant-Governor is glad to observe that in 1875-76 the receipts on

this account rose from Rs. 7,667 to Rs. 29,020, and that in the past year Rs. 86,175 were realized from export cargo (chiefly hides and grain) passing through the jetties.

13. During the past year 192 vessels, representing a gross tonnage of 304,218 tons, made use of the jetties; the average length of each vessel's detention being 10·2 days, and its average payment Rs. 204. It is stated that for 33 vessels no room could be found at the jetties at all; that 53 vessels were delayed on an average three days each before they could be admitted; and that 46 vessels were compelled to leave the jetties before they had completed loading. It is clear from these facts that the present jetty accommodation is unequal to the requirements of the shipping. The application of the Port Commissioners for a loan of five lakhs for construction of a new jetty to the south of the existing jetties has been recommended for sanction to the Government of India.

14. A representation from the Chamber of Commerce, soliciting a reduction in the rates charged for landing and shipping goods at the jetties, was referred by the Commissioners to a Sub-Committee for consideration and report. The Lieutenant-Governor concurs in the opinion expressed by the Commissioners that the working balance is still not large enough to justify any present reduction in the rates which, moreover, are lower than similar charges in the ports of London and Liverpool, and not very different from the charges formerly paid for the much less efficient cargo-boats.

15. During the year the cranes were at work for 54,292 hours, or nearly 15,000 hours more than in 1875-76. This increase is chiefly due to the larger number of vessels using the jetties, and in part to the growing demand for night-work in order to secure greater despatch. At the same time, the cost of working the cranes has been reduced from 14 annas 10 pies to 10 annas 2 pies per hour. A statement given in the report shows the hourly cost of working hydraulic cranes to be 7 annas, while steam cranes cost Re. 1-0-3. It appears, therefore, that the substitution of hydraulic for steam cranes will be the means of effecting a considerable saving.

16. The net revenue derived from the inland vessels' wharves has risen from Rs. 1,50,163 in 1875-76 to Rs. 1,94,279 in the past year in consequence of the unusual activity of the rice trade, arising from the demand of the famine districts of Madras and Central India. It is observed that the charges for interest and repairs are considerably higher than in previous years; but this is only the natural result of the recent extension of the wharves to the northern boundary of the port. The newly constructed continuous wharf from Aheeretolah to Chitpore will now be known as Schalch's Wharf, and that from Chitpore to Cossipore as Temple's Wharf.

17. The following statement shows the collections at the various wharves during the last two years:—

Wharf.	1876-77. Rs.	1875-76. Rs.
Lower wharf	72,777	54,557
Grey's	1,83,934	1,40,880
Schalch's	91,004	76,925
Temple's	28,885	22,108
Total	3,76,570	2,94,470

Within the same period the largest income was derived from the following articles:—

	1876-77. Rs.	1875-76. Rs.
Grains	1,26,120	63,008
Jute, hemp, &c.	54,747	50,541
Seeds	48,575	55,920
Building materials	14,987	14,537
Gunny-bags	10,053	9,199

It will be observed that the receipts from grains are double those of the previous year; that there is a slight rise in jute and hemp, and a slight fall in seeds; and that the other two items yield much the same as in 1875-76.

18. The gross receipts on account of the Strand Bank lands have risen from Rs. 1,01,317 in 1875-76 to Rs. 1,07,928 in the year under report; but the net revenue has fallen from Rs. 19,432 to Rs. 18,279, owing for the most part to the enhanced expenditure under the head of repairs.

## HARBOUR MANAGEMENT.

19. The income of the Harbour Department amounted in the past year to Rs. 5,24,806, and the expenditure to Rs. 4,66,062—giving a surplus revenue of Rs. 58,844, as against Rs. 4,853 realized in 1875-76. It appears, however, that Rs. 41,019 of this amount come from the sale proceeds of the wreck of the *Asia*, which are credited in the Commissioners' accounts pending a final adjustment of the claims against the vessel.

20. The statement given in paragraph 73 of the report shows a remarkable increase in the tonnage of the vessels arriving in Calcutta. It appears that while 1,173, the mean number of vessels arriving here in 1863-64 and 1864-65, corresponds very nearly to 1,171, the number of vessels which actually entered the port in the past year, the gross tonnage twelve years ago did not exceed 965,452 per annum, while in 1876-77 the figures represent a gross tonnage of 1,696,701 tons, showing an increase of 626 tons in the average tonnage of each vessel entering the port.

21. In the subjoined statement the steamer tonnage of the year has been classified according to the nature of the trade on which the vessels are employed.—

*Steamers entering Port in 1876-77.*

Trade on which employed.	Number.	Gross tonnage.
Suez Canal trade ... ..	161	406,120
Coasting and Eastern trade ... ..	301	422,230
Employed specially on famine transport work	90	158,978
Total ... ..	552	987,328

The Lieutenant-Governor considers the facts set forth in this statement satisfactory, as showing not only the readiness with which the local trade met the emergent demand from the distressed districts, but also because it appears that the steamer traffic of the port has increased from 406 to 462, independently of the abnormal impulse which has affected the trade in grain.

22. The account furnished in the report of the collisions and accidents to shipping that occurred within the limits of the port during the year shows that only nine accidents occurred in 6,783 operations of haulage, while there was only one total loss of any vessel in the port, that of the *Asia* by fire, and for this the Harbour Master's Department was not to blame. This case was inquired into by a special Court appointed under section 3, Act IV of 1875, and two of the crew who caused the fire by taking an unguarded lamp into the hold were convicted and fined for a breach of Port Rules.

23. The lamentable accident on board the torpedo boat, which caused the death of Sergeant Harrison and ten natives, has formed the subject of a Minute by the late Lieutenant-Governor and a report to the Government of India. It is needless therefore further to discuss the subject here.

24. In connection with this disastrous explosion, the attention of Government has been drawn to the necessity of making adequate arrangements for blowing up, or otherwise removing, sunken wrecks within the port. The Commissioners, while intimating to Government that there is not at present sufficient work of this character to justify the appointment of a permanent officer to deal with wrecks, expressed their willingness to employ such an officer for twelve months, his retention after that period being dependent on the conclusions arrived at with regard to the conservancy of the whole river. In consequence of this representation, the Government of India in the Public Works Department have requested the Inspector-General of Military Works to name a competent officer to conduct torpedo operations in future. It is hoped, therefore, that the three wrecks which now obstruct the navigation of the port may shortly be removed without the occurrence of any further disaster.

25. The moorings of the port are now in a very complete and satisfactory condition, save as regards the 20 moorings affected by silt between Port Point and the Dockyard. The Commissioners have now 145 fixed and 25 swinging moorings, all of the best and strongest kind.

26. Many questions in connection with the port conservancy are at present under discussion, and, though noticed by the Commissioners, need not be further alluded to here. The matter of the floating hospital has been settled by the provision of ambulance doolies both at Prinsep's and Armenian Ghâts.



## HOOGHLY BRIDGE.

27. The receipts of the Hooghly Bridge in 1876-77 amounted to Rs. 4,21,038, and the expenditure, including interest and sinking fund, and the purchase of the ferry steamer *Howrah*, to Rs. 3,37,748. Taking into account the previous balance and a sum of Rs. 47,690 required to complete the reserve section of the bridge, there is a net available cash balance of Rs. 1,57,210.

28. There is a falling off in the number of foot passengers passing both ways of 166,465 as compared with 1875-76, and this is stated to be due to the practice of evading the toll-bar by passing through the railway station. The Lieutenant-Governor would wish the Commissioners to consider, in communication with the Railway authorities, the best means of stopping this, which cause a serious loss to the bridge receipts.

29. The bridge has been efficiently managed by the Commissioners throughout the year, and proposals have been made for diminishing the risk of accident by improved arrangements for passing vessels through. The question of abandoning the terminal charge on coal, discussed in the report, is under the consideration of Government in the Public Works Department.

## GENERAL FINANCIAL SUMMARY.

30. Taking all branches of the Commissioners' operations together, the following facts are of interest, as showing the results of their management from October 1870 to 31st March 1877. Excluding sums made over to them by the Collector of Customs and the Commissioner of Police at the commencement of the undertaking, and also the cash balance transferred to them with the port, the profit realized by them has been as follows:—

	Rs.
I. Jetties ... ..	10,13,639
II. Inland Vessels' Wharf and Strand Bank land	11,95,955
III. Port or River division ... ..	4,46,528
IV. Hooghly Bridge ... ..	3,77,343

The total expenditure on block has been as follows:—

DEPARTMENT.	Outlay from loans.	Outlay from profit.	Total.	REMARKS.
	Rs.	Rs.	Rs.	
I. Jetties ... ..	26,56,775	7,60,893	34,17,168	In III, deducting depreciation, the block is Rs. 17,55,815, but the difference is held in Government paper.
II. Inland Wharf and Strand land.	27,04,966	10,20,730	37,25,726	
III. Port and Harbour	17,65,000	1,79,076	19,44,076	
IV. Bridge ... ..	22,00,000	50,055	22,50,055	

The profits for 1876-77 give the following percentage on the block for the season:—

Particulars.	Profit for the year.	Percentage on block.
	Rs.	
I. Jetties ... ..	1,45,044	5½ per cent. nearly.
II. Inland Wharf, &c. ... ..	2,12,559	5½ " "
III. Port and Harbour ... ..	17,826	1 " "
IV. Bridge ... ..	1,97,795	7½ " "

This result is arrived at after payment of interests on loans received. If this item were excluded, the percentage would be (I) 8½, (II) 8½, (III) 5½, (IV) 11½, respectively.

31. The Lieutenant-Governor has again to thank the Commissioners, on behalf of Government, for their efficient administration of the Port Trust during 1876-77. The services of their late Chairman, Mr. Schaleh, have already been specially acknowledged. The Commissioners have been most efficiently served by their Vice-Chairman, Mr. Duff Bruce, to whom is due much of the success with which the measures of the Commissioners have been carried out.

By order of the Lieutenant-Governor of Bengal,

A. MACKENZIE,

Offg. Secy. to the Government of Bengal.

## RESOLUTION ON THE ANNUAL REPORT ON THE ADMINISTRATION OF THE TRIBUTARY STATES OF ORISSA FOR 1876-77.

POLITICAL.

*Calcutta, the 23rd July 1877.*

READ—

Annual Report on the Administration of the Tributary States of Orissa for 1876-77.

THE present report is less full than usual. Mr. Beames only succeeded to the office of Superintendent in the end of March, and he is therefore unable to speak from personal knowledge of the administration of the year under review. The report, which he has compiled from the office papers and from his predecessor's notes, is a record of continued progress and good management in the majority of the States.

2. The fiscal condition of the two Government estates of Ungool and Banki is very satisfactory. The whole of the Government demand was discharged, and considerable payments on account of the current year were made in advance. In Bamunghatty estate the collections were made without difficulty, and a handsome sum as net profits was handed over to the Maharajah of Mohurbhunje. The management of these three estates has been very creditable to the local agency, and the peasantry are prosperous and contented. The tribute demandable from the different States has as usual been paid up punctually. There are no arrears, and in six out of the sixteen States a part of the current year's demand has already been deposited.

3. There is no land assessment in the Khond Mals, but the people have taxed themselves with two cesses—one on spirit shops, the proceeds of which are, at their own request, applied to maintaining schools; the other on ploughs, of which the collections, with an equivalent contribution from Government, are applied to the construction of roads. The shop tax produced Rs. 2,410, which, with a small sum for fines and sale proceeds of confiscated articles, actually exceeded the amount expended. Thus the large balance (Rs. 4,357) at the credit of the fund at the opening of the year was slightly increased at the close of the period. The Lieutenant-Governor agrees with Mr. Beames in thinking that the surplus should be devoted to opening new schools. The experiment has been sufficiently successful to justify hopes of still better results being attained. The average attendance at each of the sixteen schools now open was nearly 36, and small rewards were earned for regular attendance. The proceeds of the plough tax, with the balance of the preceding year, amounted to Rs. 5,439. Of this only Rs. 3,665 was expended. The importance of improving communications in these tracts is so great that the Lieutenant-Governor would like to see the whole amount at the credit of the fund utilized.

4. The civil and revenue work appears to have been executed with efficiency and despatch. There were altogether 2,090 cases on the files, and of these 1,979 were disposed of. The three estates of Ungool, Banki, and Bamunghatty account for 1,791 out of 1,945 cases instituted. The balance represents complaints from tributary States in which persons were dissatisfied with the Rajahs' decisions; and the small number instituted, notwithstanding the progress of land settlements in many of them, bears satisfactory testimony to the general fairness of the proceedings of the Chiefs. Nearly one-third of all the cases instituted were suits relating to debt. Cases of this class largely preponderated in the small estate of Banki, where no less than 411 were brought forward. Indeed, civil litigation under all heads is nearly twice as common in Banki as in Ungool, owing no doubt to its comparative populousness and its proximity to the regulation tracts.

5. As in the previous year, there was little serious crime. Four murders and 11 cases of culpable homicide occurred. In connection with one of the latter, it is incidentally mentioned that the deceased and his aggressor had each consumed two quarts of strong spirit before their dispute arose. The Lieutenant-Governor remarks that dishonest crime is of rare occurrence, and, looking to the disregard of human life which is ordinarily found among wild hill tribes, he thinks that offences against the person have been creditably few in number.

6. Mr. Ravenshaw was unable to do as much as usual in the way of inspection, important business requiring his presence at Cuttack and Pooree during the greater part of the touring season. Dhenkanal and Athgurh were the only States visited by him. Mr. Eden considers it of the greatest importance that a European officer of rank should regularly visit the different States to see with his own eyes how the administration proceeds, and to give the Chiefs his personal counsel and support. He is satisfied that nothing short of this will ensure the initiation and fulfilment of measures such as the establishment and support of schools and the opening up of communications. Owing probably to the causes referred to above, less has been said on these points in the present report than the Lieutenant-Governor could have wished. He trusts that Mr. Beames will give these States his earnest personal attention during the ensuing camping season. Mr. Eden believes that, with good administration and the opening of land communication, the rich valleys of the Mahanuddy, the Brahmince, and the Byturnee have a prosperous future before them.

7. With rare exceptions, the conduct of the Chiefs has been good. The Maharajahs of Mohurbhunje and Keonjhar have continued to uphold the character for public liberality and enlightened administration which has won for them the approval of Government, and which has found its fitting reward in the title of Maharajah recently conferred upon them. The Lieutenant-Governor was deeply grieved at the intelligence of the death of the Maharajah of Dhenkanal in February last, and His Excellency the Viceroy expressed his regret also at the Maharajah's loss. The Maharajah always enjoyed the confidence of Government and the love and respect of his subjects, and in the course of a long and enlightened rule he did much for the permanent prosperity of his State. He has been succeeded by his adopted son, and Baboo Bonomali Singh, an educated and experienced gentleman who has already given much satisfaction as Dewan of the State, has been appointed guardian of the minor prince. The Rajahs of Pal Lehara, Athgurh, and Nursingpore have maintained their reputation as just and intelligent rulers. The Rajah of Athmullick, who was greatly beloved by his people and esteemed by Government, died during the year. He has been succeeded by his son, an intelligent and well educated youth, who has for some years assisted his father in the management of the State, and who may be trusted to carry on his enlightened policy. The Lieutenant-Governor is concerned again to receive unfavourable reports of the Rajahs of Nilgiri and Baramba. Mr. Beames has promised a special report on the condition of the former State, and this will be awaited. In Talchere there appears to have been no improvement. The young Rajah has not attempted to levy any illegal cesses, but he has not dismissed his bad advisers, and he appears to be still leading an improvident and profligate life. The Lieutenant-Governor desires that Mr. Beames will take an early opportunity of visiting Talchere and reporting fully on the condition of the State and the temper of the people.

8. The continued misconduct of the Rajah of Duspulla, which has been frequently brought to the notice of Government, recently formed the subject of a special report. The Rajah's behaviour towards his people has of late been so tyrannical and exasperating, and his mismanagement of his State has, in spite of repeated warnings and a solemn engagement, been so gross, that Mr. Eden has been compelled to interdict him from doing any public business, except with the assistance of a Council. Meanwhile the Rajah has been required to defray the expense of a settlement of his territory by a specially selected officer, and he has been warned that, if after six months he is not found to have given satisfaction to his subjects and to have loyally co-operated in carrying out the settlement and fulfilling the convention which he entered into with his people in 1874, the Lieutenant-Governor will without fail insist on his removal from Duspulla and bring the estate under direct management. Mr. Eden trusts that the Rajah will profit by this last warning, and that it will not be found necessary, in the interests of his subjects, to resort to the extreme measure of deposing him.

9. Mr. Ravenshaw, during his long tenure of the office of Superintendent, enjoyed an amount of personal influence among the tributary Chiefs which bore ample testimony to the excellence of his administration. The thanks

of Government have repeatedly been tendered to him for the energy displayed by him in controlling and directing the relations between the Rajahs and their subjects. The results of his wise supervision are manifest in the generally contented state of the people, and in a considerable improvement in their moral and material condition. The Lieutenant-Governor trusts that Mr. Beames will take an equal interest in this important part of his duties. Baboo Harikissen Dass, the Assistant Superintendent, and Baboos Beechund Patpaik and Sreenath Bose, Tehsildars, deserve credit for their careful and successful management of their respective charges.

By order of the Lieutenant-Governor of Bengal,

S. C. BAYLEY,

*Secretary to the Govt. of Bengal.*

## REVISED SCHEME FOR THE WORKING OF THE EDUCATIONAL DEPARTMENT.

GENERAL DEPARTMENT.—EDUCATION.—No. 2061.

*Calcutta, the 20th July 1877.*

### READ—

The Government Resolution, dated the 30th September 1872, for bringing the officers of the Education Department into closer connection with the officers of the General Administration and for localizing educational control.

### Read also—

- The Government Resolution of the 30th September 1872 on primary education.
- The Minute recorded by Sir Richard Temple on the same subject, dated 12th January 1875.
- The Government Resolution of the 5th October 1872 on scholarships.
- The Rules for the guidance of District Committees of Public Instruction.
- The Rules for grants-in-aid to colleges and schools.
- The Minute recorded by Sir Richard Temple, dated 31st August 1875, on revision of grants-in-aid to schools which may fail to fulfil prescribed conditions.
- The Government letter No. 2528, dated 5th August 1874, to the Accountant-General, regarding the arrangements for payment and audit of charges in the Educational Department.
- The Government letter No. 1302, dated 10th April 1874, to the Director of Public Instruction, authorizing him to sanction the transfer of model vernacular schools from one village to another.
- The Minute recorded by Sir Richard Temple, dated 1st May 1875, on establishments in Government schools.
- The Minute recorded by Sir Richard Temple, dated 4th May 1875, on appointment of Deputy Inspectors and Sub-Inspectors of Schools.
- The Minute recorded by Sir Richard Temple, dated 9th September 1875, on Normal schools.

It was the design of Sir George Campbell, by his Resolution of the 30th September 1872, to give a permanent impulse to the cause of primary education among the masses of the people. The general principle of his arrangements was that educational control should as far as possible be localised, while at the same time the members of the Educational Service should be brought into closer connection with the executive officers of Government, and so made an integral part of the general administration of the country. District Committees were established under the presidency of the Magistrate, to which important duties were assigned in respect both of educational supervision and the expenditure of educational funds. The Director was to cease to exercise immediate control over the local operations of his department, and to become an adviser to Government in questions involving educational principles. The relative functions of Commissioners, Magistrates, Inspectors, Deputy Inspectors, and Committees were defined, and the limits of the authority of each were laid down. The whole educational system was in fact re-modelled.

2. It was natural that in such an extensive operation some modifications of detail should very soon be found necessary. It was impossible to hope that such a general re-arrangement of an intricate mechanism could be effected

without causing some friction. Modifications have therefore from time to time been introduced, some under the direct orders of Government, and others by a natural process of adjustment among the various authorities concerned. The Lieutenant-Governor believes that the time has now come when it is advisable that the whole question should be re-considered in the light of its practical working, and that such improvements as may be thought worthy of adoption should be incorporated in a revised scheme.

3. It was apparently hoped that the position given to the professional agency of the Education Department, in connection with the scheme of 1872, would have secured at least that element of uniformity and continuity which is essentially necessary to permanent educational progress. But it is now clear that far too much was left dependent on the unchecked idiosyncracies of individual district officers, many of whom had no special taste for this branch of administration, while all were already fully occupied with the constantly pressing details of their ordinary work. In several respects, moreover, the principles of the amalgamation were not very clearly formulated, and in practice difficulties have frequently cropped up in consequence.

4. The Lieutenant-Governor gladly acknowledges that, notwithstanding all these drawbacks, much important and useful work has been done. A fund of knowledge has been gained as to the educational requirements of the masses. In many backward districts a great stimulus to improvement has been given, and the cause of primary education has been placed on a broad and expanding basis. The combined common sense and zeal of both civil and educational officers have in fact brought about results on which they may well be congratulated. There has, however, on the other hand, been considerable loss of power, and, it is to be feared, no inconsiderable waste of money, arising from the want of due professional guidance and the absence of accumulated professional experience, both of which the new system failed properly to utilise. It is the Lieutenant-Governor's present object, while retaining the broad principles laid down in 1872, so to adjust the educational machinery of the province as to secure, if possible, even better and more uniform results.

5. Before the changes introduced by Sir George Campbell, the control of education in schools of every class lay in the hands of the Director of Public Instruction, working through his Circle Inspectors and Deputy Inspectors. The only exception to this was the zillah school of each district, in respect of which a Local Committee held certain limited powers. The relation of the District Magistrate to the schools of his jurisdiction varied entirely with his personal inclinations. He had no direct educational responsibilities, and no educational correspondence to conduct. By the Resolution of the 30th September 1872 the entire control of primary education was made over to the District Magistrate, and the chief authority over education of the higher kinds throughout each district (including the award of scholarships) was also transferred from the management of the professional officers of the Department to that of a District Committee, of which the Magistrate was *ex-officio* Vice-President. The Deputy Inspectors of Schools were placed directly under the Magistrate's orders, while the Inspectors were relieved of nearly all their administrative functions, and were directed to look upon themselves as merely the chief advisers of the Commissioners and (if required) of the Magistrates in all educational matters. A general power of supervision was no doubt given to the Inspectors. They were at liberty, and indeed were required, to inspect schools of all classes, and they were specially to see that the local authorities conformed to the rules and policy of Government; but they were at the same time so burdened with formal duties in connection with audit and account, that they had insufficient leisure for inspection, while they very soon found themselves seriously hampered by the anomalous character of their new relations to their own professional subordinates.

6. The District Committees were originally entrusted under this scheme with three main functions—(a) the management of the grant-in-aid assignment; (b) the management of the district Government schools, subject to certain limitations in their power of making appointments; and (c) the distribution and award of primary, vernacular, and minor scholarships. In respect of the first of these duties, it was soon found that the Committees had not sufficient technical

knowledge to guide their operations, and the initiative reverted naturally to the hands of the Inspector, who now settles in the first instance, as regards each school, the details of establishment and the amount of grant to be given it, his proposals being generally accepted by the Committees. The accounts of aided schools have all along been submitted to the Inspector, who can suspend or retrench any grant for breach of rule. Similarly, in respect of the Government schools, much power has passed from the hands of the Committees back to those of the Inspector; while in the distribution and award of scholarships, changes have been made which give the Inspector practically a deciding voice in this important matter.

7. It is chiefly in their relations with their professional subordinates that the position of the Inspectors is still open to doubt. The Government orders of 1872 placed the Deputy Inspector under two, or rather three, masters—the Magistrate, the District Committee, and his departmental superior. He was to consider himself as under the orders of the Magistrate, but was to be “strictly supervised” by the Inspector. In any aided school placed by the Commissioner under departmental control, the Deputy Inspector was subject to the Inspector’s orders, but in all others he was under the Magistrate or the District Committee. He was to accompany the Inspector on tour, but was at the same time to be at the Magistrate’s disposal. The Inspector had to criticise and check his diaries, but the Magistrate could absolve him from the Inspector’s censure. The good sense of the Magistrates and Inspectors has no doubt enabled them in most cases to work harmoniously under these somewhat conflicting provisions; but there have been instances where serious inconvenience has arisen. The position of the Sub-Inspector was as anomalous as that of the Deputy Inspector, with this added difficulty, that he had two more masters to serve—the Deputy Inspector himself and the Sub-Divisional Officer.

8. The Lieutenant-Governor proposes now to settle more definitely the relative positions and duties of all the various authorities whose duty it is to control the educational operations of the State.

9. There can be no doubt that by far the most important part of an Inspector’s duty is that of visiting and examining the schools in his jurisdiction. All other considerations must be subordinated to this. His time should be chiefly spent in travelling about, and personally supervising and aiding the progress of education, and not in examining accounts and passing bills at his headquarters. The Lieutenant-Governor has therefore determined to relieve the Inspectors entirely of the duty of auditing the bills and accounts of the schools under their control, and to transfer this work to a central department of audit, to be attached to the office of the Director of Public Instruction. The Director has at present a very insufficient control over the expenditure of his department. His information is often months in arrear of the actual facts, and it is on financial grounds alone very desirable to establish a stronger central control over educational expenditure. The actual administration of the district grants for primary education must remain with the District Magistrates; but all duties of audit now imposed on the Inspectors will be transferred to the Director’s office.

10. The Lieutenant-Governor hopes that this change can be effected without involving any considerable increase of expenditure. It is possible that some reduction may be made in the present staff of audit clerks and accountants, and it also appears to the Lieutenant-Governor that a reduction may well be made in the expenditure for educational clerks in the offices of the Commissioners of Divisions. It will be necessary to give the Director an assistant, who will be gazetted as having special charge of this branch of his office, and who will be authorized to pass and sign all necessary audits.

11. It has been suggested that, even though relieved of all other account work, the Inspector should still audit the travelling bills of the Deputy Inspectors. The Lieutenant-Governor would be glad to know what the views of Commissioners and Officers of the Department may be on this point. It is maintained that this audit by Inspectors is really necessary, in order that they may keep a proper and prompt check upon the movements and tours of their subordinates. It should be considered whether this check cannot be equally well maintained by inspection of the Deputy and Sub-Inspector’s diaries.



12. Having relieved the Inspectors of the bulk of their present routine work, the Lieutenant-Governor next proposes to re-distribute their circles, and increase their number, so as to give to each a more manageable area. At present the circles are arranged as follows:—

	Government and Aided schools.	Patahalas.	Area in square miles.
<i>(1) Presidency Circle.</i>			
Presidency Division, excluding Calcutta	578	2,111	12,445
Chota Nagpore	64	713	28,482
	642	2,824	40,927
<i>(2) Western Circle.</i>			
Burdwan Division	462	3,568	12,719
<i>(3) Eastern Circle.</i>			
Dacca Division	457	1,242	18,279
Chittagong Division	64	332	10,937
	521	1,574	29,216
<i>(4) Rajshahye Circle.</i>			
Rajshahye and Cooch Behar Division	220	1,365	17,443
<i>(5) Behar Circle.</i>			
Patna Division	149	1,969	23,732
Bhagulpore Division	94	1,084	20,497
	243	3,053	44,229
<i>(6) Orissa Circle.</i>			
Orissa, excluding Tributary Mehals	73	789	7,717

It is obvious that the work of these circles is of very unequal importance and difficulty. The Presidency Circle, with Chota Nagpore, covers an area to which no single Inspector can do justice in addition to his work in connection with the numerous and important schools in Calcutta which are all under the Presidency Inspector. The Eastern and Behar Circles are also far too large for efficient supervision by a single officer.

13. The Lieutenant-Governor proposes therefore to create a new grade of Inspectors on a salary of Rs. 400 a month, and he would appoint such Inspectors to Orissa, Chota Nagpore, Bhagulpore, and Chittagong. These Inspectors would as a rule be Natives. Excellent men for the work can, it is believed, be had on the salary proposed. These Inspectors might either have independent charge, or be placed under the supervision of existing Inspectors, and be called Assistant or Joint-Inspectors. The sanction of the Government of India will be asked to this proposal.

14. In determining the relations which should now subsist between the Inspectors thus set free for their proper work and the various local authorities, the Lieutenant-Governor desires still to maintain that close connection between the Educational Department and the general administration of the country which it was the object of the Government in 1872 to bring about. Not only is it the case that there are some educational interests which can be better looked after by local officers than by the Inspectors, but it is well that the officers of the general civil administration, and the professional members of the Education Department, should feel that they are all working together for the common benefit of the country.

15. The management of primary schools, therefore, must remain in the hands of the Magistrate. The Director, however, must be recognised as holding

the same position in respect to primary education that he now holds in other branches of the educational system. The apportionment of the primary grant to the sub-divisions of the district, the appointment, transfer, and removal of gurus and the regulation of their rates of pay, are all matters best settled by the Magistrate; and in such matters it is desirable that the Magistrate should consult with the District Committee, though the ultimate decision will, as at present, rest with him. In regard to primary education, the Inspector's chief function will still be to observe and advise. He will inspect the pathsalas in the course of his tour, inquire carefully into their working, and advise the Magistrate on points that call for notice or correction, and on the principles which appear to him most suited to the circumstances of particular districts and tracts.

16. If the Magistrate differs from or neglects to attend to the Inspector's suggestions, the Inspector will refer the question to the Commissioner, and if the Commissioner agrees with the Inspector, their view must prevail. If the Commissioner and Inspector disagree, the former will refer the matter to Government through the Director. If, however, the Director concur with the Commissioner, no reference to Government will be necessary.

17. As regards the relations of the Inspector to the District Committee the Lieutenant-Governor would, in respect of aided schools, maintain the practice which has grown up as described in paragraph 5 above. The Inspector will deal with applications for grants in-aid in the first instance, and will propose the establishment and amount of grant. The District Committee will be at liberty to suggest any modifications, and if the Inspector declines to accept them, reference will be made by the Inspector to the Commissioner, and, if necessary, to the Director and Government, in the manner described in paragraph 16. No grant should be withdrawn by the Committee without the full concurrence of the Inspector; but the Inspector will have power to suspend any grant, and to propose its withdrawal, for the consideration of the Committee, differences of opinion being settled by reference to the Commissioner and the higher authorities in the manner already described.

18. The general management of the zillah and Government vernacular schools will continue to be vested in the District Committee. In all matters relating to the expenditure of money from surplus balances for building or other purposes, to the settlement of the establishment in its lower grades, to the grant of leave to masters, and their punishment or dismissal, the initiative will rest with the Committee. All appointments on salaries below Rs. 50 may continue to be made by them, subject, however, to the Inspector's confirmation; but the Lieutenant-Governor has determined that appointments to salaries of Rs. 50 and upwards must rest absolutely with the Inspector, who alone has the best means of knowing where to find suitable candidates. For the transfer of a model vernacular school the sanction of the Inspector and Director will be necessary.

19. The District Committee will be entirely relieved of the control of normal schools. They may act as visitors of these institutions, but it is absolutely necessary that the management should rest in professional hands. The Lieutenant-Governor hopes that the question of normal schools will be taken up by the Director and placed on a sound basis as soon as possible in the manner indicated in Sir Richard Temple's Minute of the 9th September 1875, and subsequent correspondence. The first grade schools must be maintained as places for the training of teachers, while the policy of dispensing with the schools of the second and third grades as soon as practicable must not be lost sight of. It is not the intention of Government to continue the present grant of Rs. 85,000 for normal schools, and every opportunity must be taken of reducing the expenditure on second and third grade schools, in view of their being closed as soon as the middle and intermediate schools of the districts are in a state to supply teachers for the primary schools, or as soon as the existing gurus of the old class have been either trained or got rid of.

20. In the award of scholarships no change is necessary. The award of primary scholarships rests with the District Committee, but must conform generally to the results of the local examinations. The Inspector examines for middle and intermediate scholarships, and the award, though nominally made by the District Committee, is really determined by the marks given in



the examination. The Committee and the Inspector are empowered to award in consultation some of the district scholarships (up to one-third of the whole) to pupils coming from schools in backward tracts.

21. It is believed that the relations of Inspectors to Commissioners call for no fresh definition. The Commissioner must be kept fully informed of the educational progress of his division, and given every opportunity of taking an active share in it. General proposals which the Inspector wishes to lay before all Magistrates and Committees should go through the Commissioner. In the same way the Commissioner should consult the Inspector on any general schemes or proposals of his own. Differences of opinion must be settled as indicated in paragraph 16. The number of junior scholarships to be allotted to each district annually will be settled by the Commissioner in consultation with the Inspector.

22. It will be necessary for the Inspector to make the Commissioner the medium of communication with the Director on all matters of general interest that concern the general administration of the division (*e. g.*, the re-distribution of district allotments, or the provision of normal schools or technical instruction), as well as on questions regarding the primary grant, or arising out of the action of District Committees. But matters affecting individual persons, schools, or grants-in-aid, and the interpretation of the technical rules of the Department, may be referred to the Director immediately. The Inspector will also refer to the Director as at present such local questions as he cannot settle authoritatively himself under the rules in force. He will submit in this way recommendations for the appointment and promotion of Deputy Inspectors and Sub-Inspectors, and of zillah school teachers drawing Rs. 100 and upwards; also all changes in the establishment of zillah schools, or in the establishment, course of study, and stipend allowance of normal schools, and in the locality of model or Government vernacular schools. He will submit also to the Director all applications for new grants-in-aid, or for the renewal, revision, or transfer of existing grants. The Director alone can finally cancel any existing grant. The Director will on his part correspond with District Committees through the Inspector, only circulars or general orders being sent them direct.

23. The re-adjustment of the position of the Inspectors with reference to primary education will enable them to bring under the notice of the Director all matters of consequence in connection with that important question; and as the Inspector's annual report will be submitted to the Director through the Commissioner, the Director will be able to advise Government usefully upon every department of popular education.

24. Returning to the district officials, the Deputy Inspector must still remain subordinate both to the Magistrate and District Committee and to the Inspector; but it will prevent any conflict of authority if the Inspector recognizes that the Magistrate, as the representative of the Director in respect to primary education in the district, has the first claim on his services. The Deputy Inspector will submit his diaries to the Inspector through the Magistrate. The bills and accounts of all kinds which he at present submits to the Inspector, he will, under the Magistrate's orders, forward to the Director's office of audit. The accounts of primary schools will be passed by the Deputy Inspector under the Magistrate's orders. The Director will decide what abstracts shall be furnished to the Inspector to keep him aware of the existing allotments of the primary grant.

25. Deputy Inspectors can be appointed and dismissed only by Government. They may be fined or suspended by the Inspector either on the report of the Magistrate, or of his own motion; but promotion and degradation will rest with the Director, to whom also all fines and suspensions will be reported.

26. The position of the Sub-Inspector varies according to the nature of the duties assigned to him. He sometimes has the supervision of primary schools only, and in that case he has not much to do with any authority save the Deputy Inspector and the Magistrate; in other cases he has the supervision, under the Deputy Inspector, of all the schools in his sub-division. In either case the Inspector and Deputy Inspector, when visiting the sub-division, must be at liberty to require his attendance; but in their absence the Sub-Divisional Officer must be regarded as the Sub-Inspector's immediate superior. Any

representations of the Sub-Inspector must be made through the Sub-Divisional Officer, who will forward also his communications intended for the Deputy Inspector. Deputy Inspectors must not take Sub-Inspectors away from their sub-divisions without the Sub-Divisional Officer's permission.

27. Sub-Inspectors may be transferred within the limits of the division by Commissioners on the advice of the Inspector. The Magistrate may fine or suspend any Sub-Inspector within his district, reporting the fact to the Inspector, and may transfer him within the district with the Inspector's concurrence; but the appointment, promotion, or degradation of a Sub-Inspector will rest with the Director alone.

28. The clerk of the District Committee must in all districts be treated as the clerk of the Deputy Inspector's office, and assist in conducting that officer's correspondence; but the Deputy Inspector should on no account take him away on tour.

29. The Lieutenant-Governor believes that the arrangements here sketched out will have the effect of securing uniformity of system and continuity of policy in the working of the Educational Department, and that, without sacrificing any of the real merits of the reforms of 1872, they will utilise more thoroughly the services of that expensive professional agency which has already done so much for education in Bengal, and whose special experience and training it is most desirable to recognize and employ.

30. It will be the duty of the Director hereafter to draw up any formal rules necessary to give effect to this scheme, and to settle any details subject to the approval of Government. Meantime the Lieutenant-Governor directs that, before any changes are actually made, this Resolution be circulated for the information and consideration of Commissioners, Magistrates, and Circle Inspectors. They are requested to submit their opinions with reference to it to the Director, who will abstract and analyse them, and report the result with his own remarks for the final orders of Government.

By order of the Lieutenant-Governor of Bengal,

A. MACKENZIE,

*Offg. Secy. to the Govt. of Bengal.*

## LIBERALITY OF THE MAHARANEE OF TIKAREE.

No. 2096, dated Calcutta, the 24th July 1877.

From—A. MACKENZIE, Esq., Offg. Secretary to the Govt. of Bengal, General Dept.,  
To—The Commissioner of the Patna Division.

WITH reference to your letter No. 242J, dated 17th July 1877, with enclosures, I am directed to say that the Lieutenant-Governor has learnt with much satisfaction that the Maharanee of Tikaree, in addition to her previous munificent gift of Rs. 30,000, designed to raise the status of the Tikaree school, has now further promised a grant of Rs. 200 per annum for prizes and scholarships to be awarded to those students who acquit themselves with most credit at the annual examinations of the school. I am to request that you will convey to the Maharanee the thanks of Government.

2. The papers on the subject will be published in the next issue of the *Calcutta Gazette*.

No. 242J, dated Bankipore, the 17th July 1877.

From—E. W. MOLONY, Esq., Commissioner of the Patna Division,  
To—The Secretary to the Government of Bengal, Judicial Department.

I HAVE the honor to forward copy of the enclosed communication, No. 928 of the 1st instant, from the Inspector of Schools, relative to a further gift of Rs. 200 per annum promised by the Maharanee of Tikaree to the higher class English school lately established at that place through her munificence, as also a copy of my letter No. 419J of the 13th, to the Maharanee, acknowledging the same. In doing so, I beg to recommend that this fresh act of liberality on the part of the Maharanee may receive such further acknowledgment at the hands of Government as may appear fit to His Honor the Lieutenant-Governor.

No. 928, dated Bankipore, the 1st July 1877.

From—BABOO BROODEB MOOKERJEE, Inspector of Schools, Behar Circle,  
To—The Commissioner of the Patna Division.

I HAVE the honor to inform you that Mahatantee Raj Roop Kuari of Tikaree, who founded not long ago the higher class English school at Tikaree on a munificent donation of Rs. 30,000, lately offered to pay Rs. 200 per annum to be spent by the Managing Committee of that school in consultation with the Inspector in the manner best calculated to benefit her school and the cause of education in her district—Gya.

2. The Managing Committee of the Tikaree school have now, in consultation with myself, determined to award two silver medals of the value of Rs. 30 and Rs. 20 respectively, the first to the best student who passes successfully the Entrance Examination from the Tikaree school, and the second to the student who does best at the annual examination of the school from the second or preparatory class. On the remaining sum of Rs. 150 it has been determined to found three scholarships of Rs. 2 in value each, tenable for two years, at the Tikaree school. The scholarships are to be awarded by the Inspector to the three best candidates for minor scholarships of the Gya district who fail to take up the Government scholarships.

3. In bringing to your notice these instances of enlightened liberality in the cause of education on the part of the Maharanee, I beg to recommend that they meet such acknowledgment as they may seem to you to deserve.

No. 419J, dated Bankipore, the 13th July 1877.

From—E. W. MOLONY, Esq., Commissioner of the Patna Division,  
To—The Maharanee of Tikaree.

THE Inspector of Schools has brought to my notice the warm and enlightened interest which you are continuing to evince in the cause of education by offering a further grant of Rs. 200 per annum to be spent in prizes and scholarships to be awarded to such of the students of the higher class school lately established at Tikaree through your munificence as may best acquit themselves at the annual examination. The arrangements thus made has my full approval, and I beg to convey to you my best thanks for your liberality.



PRICES-CURRENT of Food-grains and Salt in the underm

QUANTITIES PER 1

DISTRICTS.	WHEAT.			BARLEY.			RICE, BEST SORT.			RICE, COMMON.			BULBUSH MILLET— CUMBOO, BAJRA.			GRASS MILLET— CHOLU, JOWAR.			LEASER RACI AND		
	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.	Present return.	Next preceding return.	Corresponding return of last year.
<b>BENGAL.</b>																					
<i>Western Districts.</i>																					
Bardwan	A	14 8	14 8	16 8	30 0	30 0	18 0	13 4	15 8	21 8	13 12	16 4	22 8	...	...	...	...	...	...	...	...
Bankoora	B	16 12	16 12	20 0	30 0	32 0	25 0	16 0	20 0	18 4	17	23 0	21 4	...	...	...	...	...	...	...	...
Beerbhoom	C	17 0	17 8	20 0	...	...	...	14 0	18 0	21 0	19 0	21 0	22 8	...	...	...	...	...	...	...	...
Midnapore		14 0	14 0	20 0	...	...	...	14 0	20 0	20 0	18 0	21 0	24 0	...	...	...	...	...	...	...	...
Hooahly	D	13 0	13 0	19 0	...	...	...	8 0	8 0	10 0	11 0	13 0	19 0	...	...	...	...	...	...	...	...
Howrah		13 8	13 4	19 0	...	...	...	8 0	12 0	15 0	11 0	13 0	20 0	...	...	...	...	...	...	...	...
<i>Central Districts.</i>																					
Calcutta	E	13 0	13 0	16 0	25 0	20 0	30 0	8 4	9 0	11 0	10 12	13 0	15 0	...	...	...	25 0	20 0	20 0	...	...
24-Pergunnahs		...	...	...	...	...	...	7 8	8 0	6 0	11 0	12 4	16 12	...	...	...	...	...	...	...	...
Nudda		13 15	13 15	20 0	...	35 8	35 8	11 14	13 54	17 4	12 5	13 15	18 5	...	...	...	...	...	...	...	...
Jessore	F	13 0	13 4	19 0	...	...	...	13 0	12 12	16 12	17 0	17 8	22 0	...	...	...	...	...	...	...	...
Moorshedabad	G	17 0	17 0	23 0	35 0	37 8	40 0	11 0	13 8	16 0	14 0	16 0	20 0	...	...	...	...	...	...	...	...
Dinapore	H	18 0	26 6	16 0	32 0	32 0	22 8	16 4	22 12	20 0	24 0	31 0	23 0	...	...	...	...	...	...	...	...
Rajahmhye	I	15 0	15 0	20 0	32 0	37 8	...	13 0	15 0	18 0	14 4	17 4	21 9	...	...	...	...	...	...	...	...
Rangpore		16 0	14 9	22 8	...	...	...	20 0	14 9	14 1	23 0	17 2	25 9	...	...	...	...	...	...	...	...
Bogra		16 8	16 8	20 0	...	...	...	16 0	16 8	17 0	21 0	23 6	25 0	...	...	...	...	...	...	...	...
Pubna	J	18 0	18 0	30 0	...	...	...	10 0	12 0	12 0	15 0	18 12	22 8	...	...	...	...	...	...	...	...
Darjeeling	K	8 0	8 0	8 0	8 0	8 0	8 0	6 0	6 0	5 0	13 0	13 0	10 0	...	...	...	...	...	...	...	9 0
Julpigoree	L	11 8	9 3	11 6	...	...	...	13 3	13 3	13 3	16 8	17 7	16 0	...	...	...	...	...	...	...	...
<i>Eastern Districts.</i>																					
Dacca	M	13 5	12 4	16 8	40 0	40 0	19 0	12 4	15 0	17 10	15 0	20 0	22 12	...	...	...	...	...	...	...	...
Furzedpore	N	21 0	21 0	24 0	30 0	30 0	40 0	8 0	7 0	10 0	15 0	19 0	21 0	...	...	...	...	...	...	...	...
Backergunge	O	...	...	...	...	...	...	12 0	12 0	19 0	14 0	14 0	23 0	...	...	...	...	...	...	...	...
Mymensingh	P	11 8	11 8	16 0	...	...	...	16 0	18 0	18 0	19 0	21 0	20 0	...	...	...	...	...	...	...	...

- A In the interior the prices range as follow:—Wheat 13 to 19-8 seers, best rice 11-8 to 16-6 seers, common rice 12-4 to 18 seers, and gram 19 to 23 seers.
- B In the interior the prices range as follow:—Wheat 15 to 18 seers, barley 20 to 37 seers, best rice 15 to 24 seers, common rice 17-8 to 36 seers, maize 24 and gram 15 to 19 seers.
- C In the interior the prices range as follow:—Wheat 16 to 24 seers, best rice 16 to 20 seers, common rice 17-8 to 21 seers, and gram 20 to 30 seers.
- D In the interior the prices range as follow:—Wheat 13 to 15 seers, barley 25 to 30 seers, best rice 8 to 8-8 seers, common rice 11 to 14-8 seers, and gram 10 to 15 seers.
- E In the interior the prices range as follow:—Wheat 13-4 to 14-4 seers, barley 26 8 to 29 seers, best rice 7-4 to 8 seers, common rice 10 to 17 seers, and gram 15 to 20 seers.
- F In the interior the prices range as follow:—Wheat 8 to 14 seers, best rice 13 to 15 seers, common rice 16 to 20 seers, and gram 16 to 20 seers.
- G In the interior the prices range as follow:—Wheat 15 to 18 seers, barley 30 to 39 seers, best rice 12 to 16 seers, common rice 13 to 17 seers, and gram 21 to 25 seers.
- H In Moygunge the prices range as follow:—Wheat 16 seers, best rice 20 seers, common rice 22 seers, and gram 20 seers.